ENGLISH

T 757

AV Surround Sound Receiver

Owner's Manual

IMPORTANT SAFETY INSTRUCTIONS

ENGLISH

SAVE THESE INSTRUCTIONS FOR LATER USE.

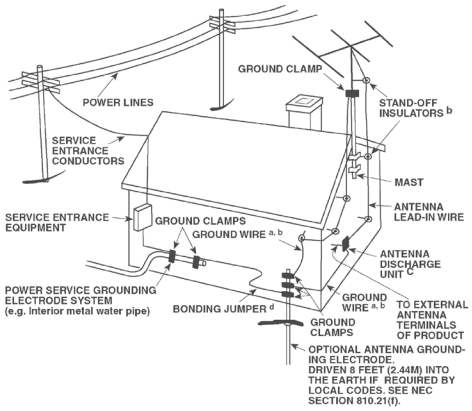
FOLLOW ALL WARNINGS AND INSTRUCTIONS MARKED ON THE AUDIO EQUIPMENT.

1 **Read instructions** - All the safety and operating instructions should be read before the product is operated.
2 **Retain instructions** - The safety and operating instructions should be retained for future reference.
3 **Heed Warnings** - All warnings on the product and in the operating instructions should be adhered to.
4 **Follow Instructions** - All operating and use instructions should be followed.
5 **Cleaning** - Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Clean only with a dry cloth.
6 **Attachments** - Do not use attachments not recommended by the product manufacturer as they may cause hazards.
7 **Water and Moisture** - Do not use this product near water-for example, near a bath tub, wash bowl, kitchen sink, or laundry tub; in a wet basement; or near a swimming pool; and the like.
8 **Accessories** - Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.
9 A product and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn.
10 **Ventilation** - Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.
11 **Power Sources** - This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. The primary method of isolating the amplifier from the mains supply is to disconnect the mains plug. Ensure that the mains plug remains accessible at all times. Unplug the AC power cord from the AC outlet if the unit will not be used for several months or more.
12 **Grounding or Polarization** - This product may be equipped with a polarized alternating current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.
13 **Power Cord Protection** - Power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.

14 **Outdoor Antenna Grounding** - If an outside antenna or cable system is connected to the product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.

NOTE TO CATV SYSTEM INSTALLER

This reminder is provided to call the CATV system installer's attention to Section 820-40 of the NEC which provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.


GROUND CLAMP
POWER LINES
STAND-OFF INSULATORS b
SERVICE ENTRANCE CONDUCTORS
MAST
ANTENNA LEAD-IN WIRE
SERVICE ENTRANCE EQUIPMENT
GROUND CLAMPS
GROUND WIRE a, b
ANTENNA DISCHARGE UNIT c
POWER SERVICE GROUNDING ELECTRODE SYSTEM (e.g. Interior metal water pipe)
BONDING JUMPER d
GROUND WIRE a, b
TO EXTERNAL ANTENNA TERMINALS OF PRODUCT
GROUND CLAMPS
OPTIONAL ANTENNA GROUNDING ELECTRODE. DRIVEN 8 FEET (2.44M) INTO THE EARTH IF REQUIRED BY LOCAL CODES. SEE NEC SECTION 810.21(f).

15 **Lightning** - For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power line surges.
16 **Power Lines** - An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.
17 **Overloading** - Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.
18 **Object and Liquid Entry** - Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.

WARNING: THE APPARATUS SHOULD NOT BE EXPOSED TO DRIPPING OR SPLASHING, AND OBJECTS FILLED WITH LIQUIDS, SUCH AS VASES, SHOULD NOT BE PLACED ON THE APPARATUS. AS WITH ANY ELECTRONIC PRODUCTS, USE CARE NOT TO SPILL LIQUIDS INTO ANY PART OF THE SYSTEM. LIQUIDS CAN CAUSE A FAILURE AND/OR A FIRE HAZARD.

19 **Damage Requiring Service** - Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:

a) When the power supply cord or plug is damaged.
b) If liquid has been spilled, or objects have fallen into the product.
c) If the product has been exposed to rain or water.
d) If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.
e) If the product has been dropped or damaged in any way.
f) when the product exhibits a distinct change in performance-this indicates a need for service.

20 **Replacement Parts** - When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.
21 **Safety Check** - Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.

22 **Wall or Ceiling Mounting** - The product should be mounted to a wall or ceiling only as recommended by the manufacturer.
23 **Heat** - The product should be situated away from heat sources such as radiators, heat registers, stoves or other products (including amplifiers) that produce heat.
24 **Headphones** - Excessive sound pressure form earphones and headphones can cause hearing loss.
25 **Battery Disposal** - When disposing of used batteries, please comply with governmental regulations or environmental public instruction's rules that apply in your country or area. Batteries (battery pack or batteries installed) must not be exposed to excessive heat such as sunshine, fire or the like.

CAUTION

Danger of explosion if battery is incorrectly replaced.
Replace only with the same or equivalent type.

WARNING

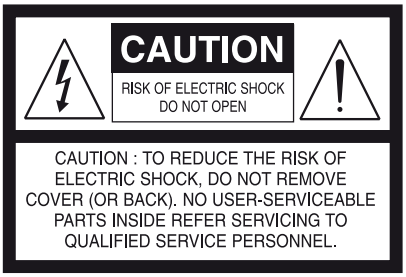
TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

CAUTION

TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

THE LIGHTNING FLASH WITH ARROWHEAD SYMBOL, WITHIN AN EQUILATERAL TRIANGLE, IS INTENDED TO ALERT THE USER TO THE PRESENCE OF UNINSULATED "DANGEROUS VOLTAGE" WITHIN THE PRODUCT'S ENCLOSURE THAT MAYBE OF SUFFICIENT MAGNITUDE TO CONSTITUTE A RISK OF ELECTRIC SHOCK TO PERSONS.

THE EXCLAMATION POINT WITHIN AN EQUILATERAL TRIANGLE IS INTENDED TO ALERT THE USER TO THE PRESENCE OF IMPORTANT OPERATING AND MAINTENANCE (SERVICING) INSTRUCTIONS IN THE LITERATURE ACCOMPANYING THE APPLIANCE.


CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
CAUTION : TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

THE EQUIPMENT MUST BE CONNECTED TO AN EARTHED MAINS SOCKET-OUTLET.

The disconnect device of the apparatus is its mains plug. Cut off power to the apparatus by disconnecting its mains plug from the mains outlet.

The mains plug of the apparatus should be easily accessible or free from any obstruction during intended use.

CAUTION

Changes or modifications to this equipment not expressly approved by NAD Electronics for compliance could void the user's authority to operate this equipment.

CAUTION REGARDING PLACEMENT

To maintain proper ventilation, be sure to leave a space around the unit (from the largest outer dimensions including projections) that is equal to or greater than shown below.

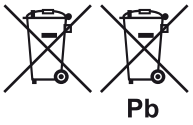
Left and Right Panels: 10 cm
Rear Panel: 10 cm
Top Panel: 50 cm

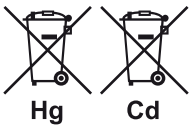
NOTES ON ENVIRONMENTAL PROTECTION

At the end of its useful life, this product must not be disposed of with regular household waste but must be returned to a collection point for the recycling of electrical and electronic equipment. The symbol on the product, user's manual and packaging, point this out.

The materials can be reused in accordance with their markings. Through re-use, recycling of raw materials or other forms of recycling of old products, you are making an important contribution to the protection of our environment. Your local administrative office can advise you of the responsible waste disposal point.

INFORMATION ABOUT COLLECTION AND DISPOSAL OF WASTE BATTERIES (DIRECTIVE 2006/66/EC OF THE EUROPEAN PARLIAMENT AND THE COUNCIL OF EUROPEAN UNION) (FOR EUROPEAN CUSTOMERS ONLY)





Batteries bearing any of these symbols indicate that they should be treated as "separate collection" and not as municipal waste. It is encouraged that necessary measures are implemented to maximize the separate collection of waste batteries and to minimize the disposal of batteries as mixed municipal waste.

End-users are exhorted not to dispose waste batteries as unsorted municipal waste. In order to achieve a high level of recycling waste batteries, discard waste batteries separately and properly through an accessible collection point in your vicinity. For more information about collection and recycling of waste batteries, please contact your local municipality, your waste disposal service or the point of sale where you purchased the items.

By ensuring compliance and conformance to proper disposal of waste batteries, potential hazardous effects on human health is prevented and the negative impact of batteries and waste batteries on the environment is minimized, thus contributing to the protection, preservation and quality improvement of the environment.

NOTE: THE T 757 IS NOT AN AUTO VOLTAGE UNIT. CONNECT ONLY TO THE PRESCRIBED AC OUTLET, I.E., 120V 60HZ OR 230V 50HZ.

RECORD YOUR MODEL NUMBER (NOW, WHILE YOU CAN SEE IT)

The model and serial number of your new T 757 are located on the back of the cabinet. For your future convenience, we suggest that you record these numbers here:

Model no: .....
Serial no.: .....

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INTRODUCTION

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THANK YOU FOR CHOOSING NAD.

The T 757 AV Surround Sound Receiver is a technologically advanced and highly capable product yet we have invested great effort in making it simple and easy to use. The T 757 delivers a range of genuinely useful options for surround sound and stereo listening alike, using powerful digital signal processing and superbly accurate digital-audio circuitry. However, we have also been careful to ensure that the T 757 is as musically transparent, faithful to every video detail and spatially accurate as possible, incorporating much of what we've learned from over three decades of experience designing audio, video and home-theater components. As with all our products, NAD's "Music First" design philosophy guided the T 757's design, such that it can confidently promise you both state-of-the-art surround home-theater and audiophile-quality music listening for years to come.

We encourage you to take a few minutes now to read right through this manual. Investing a little time here at the outset might save you a good deal of time later, and is by far the best way to ensure that you make the most of your investment in the T 757, and get the most from this powerful and flexible home-theater component.

One more thing: We urge you to register your T 757 ownership on the NAD Worldwide Web site:

http://NADelectronics.com/salon

For warranty information contact your local distributor.

NAD SHALL NOT BE HELD LIABLE FOR ANY TECHNICAL OR USER INTERFACE DISCREPANCIES IN THIS MANUAL.
THE T 757 OWNER'S MANUAL MAY BE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE. CHECK OUT THE NAD WEBSITE FOR THE LATEST VERSION OF THE T 757 OWNER'S MANUAL.

WHAT'S IN THE BOX

Packed with your T 757 you will find

- An AM loop antenna
- A FM ribbon-wire antenna with balun
- A detachable mains power cord
- Audyssey microphone
- The AVR 4 remote control with 2 AA batteries
- ZR 5 zone remote control with 3VCR2025 battery
- Owner's manual in CD-ROM

SAVE THE PACKAGING

Please save the box and all of the packaging in which your T 757 arrived. Should you move or otherwise need to transport your T 757, this is by far the safest container in which to do so. We've seen too many otherwise perfect components damaged in transit for lack of a proper shipping carton, so please: Save that box!

INITIAL SETUP

Before you make the first connection to your T 757, you should have the arrangement of your listening room/home theater components and furniture mapped out, at least initially. Unfortunately, a discussion of the vital questions of loudspeaker placement and listening/viewing positions is beyond our scope here.

CHOOSING A LOCATION

Choose a location that is well ventilated (with at least several inches to both sides and behind), and that will provide a clear line of sight, within 25 feet/8 meters, between the T 757's front panel and your primary listening/viewing position - this will ensure reliable infrared remote control communications. The T 757 generates a modest amount of heat, but nothing that should trouble adjacent components. It is especially important that sufficient ventilation be provided.

DEFAULT SOURCE SETTINGS

The following table lists the default SOURCE settings. Note that the Audio input settings show both digital and analog audio input. Digital input will always take precedence over analog audio input even if both are present.

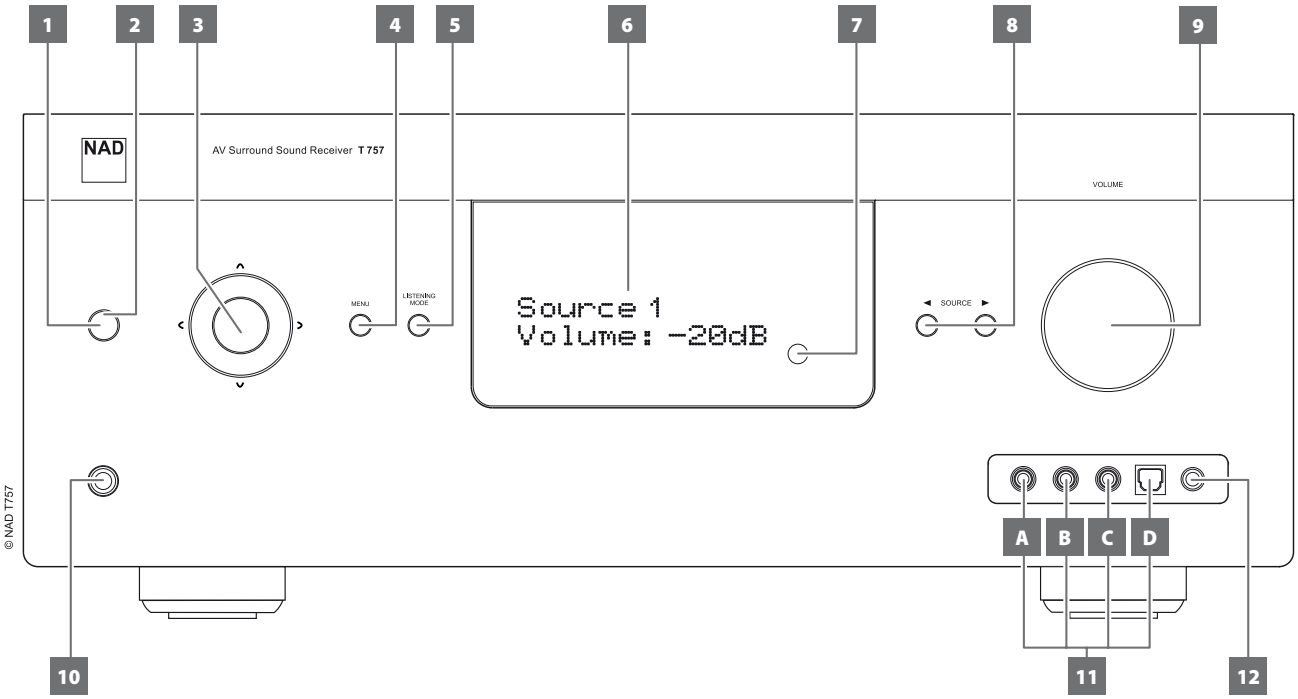
Source	Audio Input	Video Input
Source 1	HDMI 1/ Audio 1	HDMI 1
Source 2	HDMI 2/ Audio 2	HDMI 2
Source 3	Coaxial 1	Component Video IN 1
Source 4	Optical 1	Video 1
iPod	Audio 3	S-Video 1
Source 7	7.1 Channel Input	Component Video IN 2
Front Input	Optical Front Input/ Audio Front Input	Video Front Input
Media Player	Audio Front MP	
Tuner		

For Video output, select the highest quality video format available on your TV/Monitor and utilize this for your Monitor OUT connection from the T 757 to the TV/Monitor. In most cases, this would be HDMI but for other TV/Monitor without HDMI input, the best quality connection could be Component Video, S-Video or Composite video input.

To modify the above default settings and for a better understanding of source setting and combinations, please refer to the item about "SOURCE SETUP" in the "USING THE T 757 - SETUP MENU" segment of the "OPERATION" section.

IDENTIFICATION OF CONTROLS

FRONT PANEL



1 STANDBY BUTTON

- Press this button to switch ON the T 757 from standby mode. The Standby LED indicator will turn from amber to blue and illuminate the VFD. Pressing the STANDBY button again turns the unit back to standby mode.
- The T 757 can also be switched ON from standby mode by pressing any of the front panel buttons.

2 STANDBY LED

- This indicator will light up amber when the T 757 is at standby mode.
- When the T 757 is powered up from standby mode, this indicator will illuminate blue.
- If Zone 2 is still ON and STANDBY button is pressed to switch the T 757 to standby mode, the VFD will be extinguished but the STANDBY LED remains illuminated blue. This indicates that Zone 2 is still active. In order to completely shut down the T 757 together with Zone 2, press and hold STANDBY button until the STANDBY LED turns amber.

3 NAVIGATION and ENTER BUTTONS

The navigation [<//>/∧/∨] and [ENTER] buttons have various applications specific to given modes. The middle round button designated as [ENTER] button; this is normally pressed to complete a selection, procedure, sequence or other applicable functions.

AM/FM mode

Toggle [ENTER] button to switch between "Tune" and "Preset" mode. Select "Tune" mode.

- Pressing momentarily the [</>] button will manually scan the AM or FM band.
- Press and hold [</>]for more than 2 seconds to search up or down; the T 757's tuner will stop at the next sufficiently strong signal it encounters.
- Note that this function "wraps" - that is, it will continue to search from one end of the AM or FM band to the other until it stops at a strong signal.

Toggle [ENTER] button to switch between "Tune" and "Preset" mode. Select "Preset" mode.

- Use [∧/∨] to step up or down AM/FM Presets. Unused presets are skipped over. Note that Presets must have been previously stored.

Refer also to the item about STORING PRESETS (AM/FM/XM/DAB) at the LISTENING TO AM/FM RADIO section of the OPERATION page.

XM mode (120V version model only)

- Use the front panel [<//>/∧/∨] and [ENTER] buttons in combination with the [MENU] button to select through applicable XM menu options.

DAB mode (230V version model only)

- Use front panel [</>] and [ENTER] buttons in combination with [MENU] button to select through applicable DAB menu options.

4 MENU

- Press to activate or deactivate OSD menu.

5 LISTENING MODE

- Toggle to select through the various Listening mode options.
- Depending on the format of the currently selected input (digital or analog, stereo or multichannel), various listening modes are available.
- Refer also to the item about LISTENING MODE under the USING THE T 757 - MAIN MENU segment of the OPERATION section.

6 VACUUM FLUORESCENT DISPLAY (VFD)

- Displays visual information about the current settings like the active Source, volume level, listening mode, audio format, applicable RDS/XM/DAB as well as iPod-related display information and other related indicators.
- Refer also to the item about DISPLAY SETUP under the USING THE T 757 - SETUP MENU segment of the OPERATION section.

7 REMOTE SENSOR

- Point the AVR 4 remote control at the remote sensor and press the buttons.
- Do not expose the remote sensor of the T 757 to a strong light source such as direct sunlight or illumination. If you do so, you may not be able to operate the T 757 with the remote control.

Distance: About 23ft (7m) from the front of the remote sensor.
Angle: About 30° in each direction of the front of the remote sensor.

8 ◄ SOURCE ►

- Toggle through the input selections - Source 1, Source 2, Source 3, Source 4, iPod, Source 7, Front Input, Media Player and Tuner (AM/FM/DAB/XM as applicable). More Sources can be directly recalled upon enabling them at the Setup Menu.
- Refer also to the item about SOURCE SETUP under the USING THE T 757 - SETUP MENU segment of the OPERATION section.

9 VOLUME

- The VOLUME control adjusts the overall loudness of the signal being fed to the loudspeakers or headphones.
- Turn clockwise to increase the volume level; counter clockwise to lower it.

10 PHONES

- Accepts stereo headphone using a standard 1/4-inch stereo phone plug (use a suitable adaptor for headphones equipped with a smaller plug).
- Plugging in headphones automatically mutes output from the speakers.
- For headphone listening, the Front speakers must be set to "Large" at the "Speaker Configuration" of the Speaker Setup item at the Setup Menu; otherwise headphone bass response will be restricted.
- Plugging in headphones will automatically switch the T 757 to Stereo, Stereo Downmix or Analog Bypass modes.

11 FRONT INPUT PORTS

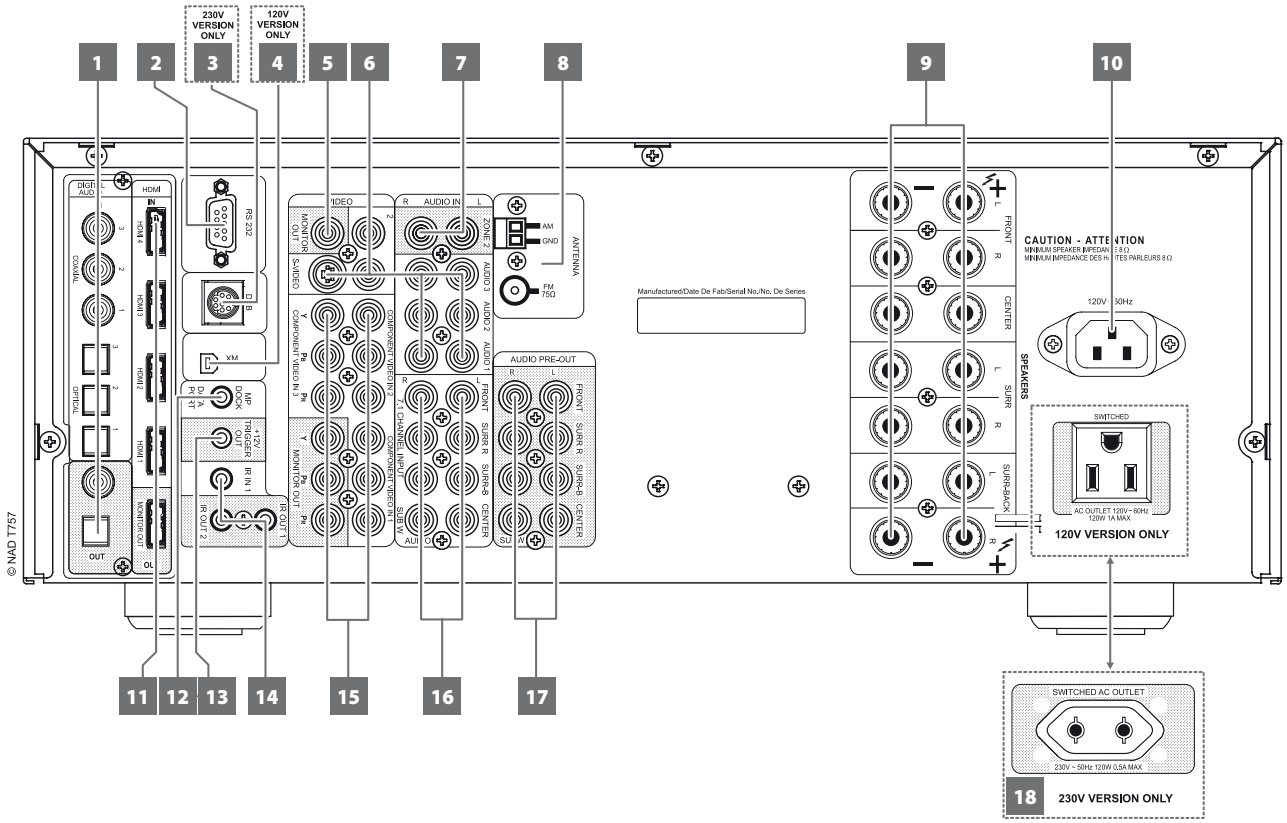
- Use these convenience jacks for occasional sources such as a camcorder, video game console, any analog audio or optical digital audio sources and composite video sources.
- If your source has two output jacks indicative of stereo output, insert both jacks into the T 757's corresponding Front "L" (item A) and "R (MONO)" input to achieve stereo output as well.
- On the other hand, if your source has a single audio out jack only or is marked "Mono output", plug this into the T 757's Front "R (MONO)" input (item B).
- Connect composite video output source to the front composite video input (item C).
- Use the front optical audio input (item D) for optical digital audio sources.

12 FRONT MP/MIC INPUT

- Connect your Media Player's standard stereo phone jack to this input.
- This is also the same input where the supplied Audyssey microphone is connected for Audyssey Setup calibration.
- Refer also to the item about AUDYSSEY SETUP under the USING THE T 757 - SETUP MENU segment of the OPERATION section.

IDENTIFICATION OF CONTROLS

REAR PANEL



ATTENTION!

Please make sure that the T 757 is powered off or unplugged from the mains power source before making any connections. It is also advisable to power down or unplug all associated components while making or breaking any signal or AC power connections.

1 DIGITAL AUDIO (COAXIAL 1-3, OPTICAL 1-3)

- Connect to the corresponding optical or coaxial digital output of sources such as CD or BD/DVD players, digital cable box, digital tuners and other applicable components.
- Coaxial and Optical digital input association is configurable via the Source Setup item of the Setup Menu OSD.

DIGITAL AUDIO OUT (OPTICAL, COAXIAL)

- Connect the optical or coaxial DIGITAL OUT to the corresponding digital audio input of compatible devices such as receivers, computer soundcard or other digital processors.

2 RS 232

NAD is a certified partner of AMX and Crestron and fully supports these external devices. Check out the NAD website for information about AMX and Crestron compatibility with NAD. See your NAD audio specialist for more information.

- Connect this interface using RS-232 serial cable (not supplied) to any Windows compatible PC to allow remote control of the T 757 via compatible external controllers.

3 DAB MODULE INPUT (230V version model only)

The T 757 is compatible only with the NAD DAB Adaptor module models DB 1 or DB 2.

- Plug-in the other end of the Mini-Din connector from the NAD DAB Adaptor module output port into this socket.
- With DAB, you can receive CD-like quality programs without any annoying interference and signal distortion.
- Refer also to the "LISTENING TO DAB RADIO" segment of the "OPERATION" section.

NOTE

The external NAD DAB Adaptor module is not supplied with your T 757.

4 XM MODULE INPUT (120V version model only)

- Connect XM radio cable to this socket. Follow the instructions that came with your XM radio.
- With XM radio, there are more than 100 channels of music, news, sports, comedy, talk and entertainment. You will find that the coverage is continent wide. The music quality is digital with many commercial-free music channels.
- Refer also to the "LISTENING TO XM RADIO" segment of the "OPERATION" section.

NOTE

The external XM radio is not supplied with your T 757.

5 MONITOR OUT

- Connect to the video input of a monitor/television using quality dual-RCA cables designed for video signals.

6 AUDIO 1-3/VIDEO 1-2/S-VIDEO 1

- These comprise the T 757's other sets of principal input. Connect these S-Video, composite video, and analog audio input ports to the corresponding output ports of source components such as DVD players or cable/satellite boxes.
- AUDIO 3 and S-VIDEO 1 are the assigned default ports for the audio/video output of the separately sold NAD IPD (NAD IPD Dock for iPod) 1, NAD IPD 2 and later variants.

7 ZONE 2

- Sends zone selected audio source to the corresponding audio input of another zone. Use high quality patch cables to reduce noise pickup over long distance runs.
- For a better understanding of zone settings, study below the section about "Zone Controls" of the "Main Menu" discussion as well as the item about "Zone Setup" under the "Setup Menu" literatures.

8 FM ANTENNA TERMINAL

- The supplied wire "dipole" FM antenna will connect to the FM connector using the supplied "balun" adapter. It will usually work best when mounted on a vertical surface such as a wall, with arms fully outstretched forming a horizontal "T" perpendicular to the origin point of the signal.

AM ANTENNA TERMINAL

The AM loop antenna supplied with the T 757 (or a suitable replacement) is required for AM reception.

- Connect the supplied AM loop antenna to these terminals. If an external AM antenna is used, make connections to the AM and GND terminals in accordance with the instructions supplied with the antenna.
- Testing different positions for the antenna may improve reception; vertical orientation will usually produce the best results. Antenna proximity to large metal objects (appliances, radiators) may impair reception, as will as attempts to lengthen the wire to the loop.
- Refer also to the item about ASSEMBLING THE LOOP ANTENNA at the LISTENING TO AM/FM RADIO section of the OPERATION page.

9 SPEAKERS

- Connect the respective speaker's FRONT L, FRONT R, CENTER, SURR R, SURR L, SURR-BACK L, and SURR-BACK R channels to their corresponding loudspeakers. Make sure the "+" (red) terminal and "-" (black) terminal are connected to the corresponding "+" and "-" terminals of the loudspeaker. Use extra care to ensure that no stray wires or strands cross between posts or terminals at either end.
- The T 757 is designed to produce optimum sound quality when connected to speakers with impedances within its operating range. Please make sure that all the speakers are rated 8 ohms minimum per speaker.

NOTE

Use stranded wire of at least 16 gauge (AWG). Connections to the T 757 can be made with banana-type plugs. Bare wire or pins can also be used by loosening the terminal's plastic nut, making a clean, neat connection, and re-tightening carefully. To minimize the danger of short circuit, ensure that only 1/2-inch of exposed wire or pin is employed when connecting.

10 AC MAINS INPUT

The T 757 comes supplied with a separate detachable mains power cord. Before connecting the plug to the mains power source, ensure that it is firmly connected to the T 757's AC Mains input socket first.

- Connect only to the prescribed AC outlet, i.e., 120V 60 Hz (for 120V version models only) or 230V 50 Hz (for 230V version models only).
- Always disconnect the mains power plug from the mains power source first, before disconnecting the cable from the T 757's AC Mains input socket.

11 HDMI (HDMI 1-4, HDMI MONITOR OUT)

- Connect the sets of HDMI input to the HDMI OUT connectors of source components such as DVD player, BD player or HDTV satellite/ cable box. Connect the HDMI Monitor OUT to a HDTV or projector with HDMI input.

WARNING

Before connecting and disconnecting any HDMI cables, both the T 757 and the ancillary source must be powered OFF and unplugged from the AC outlet. Failure to observe this practice may cause permanent damage to all equipment connected via HDMI sockets.

12 MP DOCK

The T 757 is equipped with a data port in the rear panel where an optional NAD IPD (NAD IPD Dock for iPod) 1, NAD IPD 2 and later variants can be plugged in.

- Connect the "MP DOCK (DATA PORT)" jack of the T 757 to the corresponding "DATA PORT" socket of the optional NAD IPD model.
- AUDIO 3 and S-VIDEO 1 are the assigned default ports for the audio/ video output of the separately sold NAD IPD (NAD IPD Dock for iPod) 1, NAD IPD 2 and later variants.
- Refer also to the "LISTENING TO YOUR iPod PLAYER" segment of the "OPERATION" section.

NOTE

The NAD IPD Dock for iPod is not supplied with your T 757.

13 +12V TRIGGER OUT

The +12V TRIGGER OUT is used for controlling external equipment that is equipped with a +12V trigger input.

- Connect this +12V TRIGGER OUT to the other equipment's corresponding +12V DC input jack using a mono cable with 3.5mm male plug.
- This output will be 12V when the T 757 is ON and 0V when the unit is either OFF or in standby mode.

14 IR IN/IR OUT 1-2

- These mini-jacks accept and output remote-controlled codes in electrical format, using industry-standard protocols, for use with "IR-repeater" and multi-room systems and related technologies.
- All NAD products with IR IN/IR OUT features are fully compatible with the T 757. For non-NAD models, please check with your other product's service specialists as to their compatibility to the T 757's IR features.

IR IN: This input is connected to the output of an IR (infrared) repeater (Xantech or similar) or the IR output of another component to allow control of the T 757 from a remote location.

IR OUT 1, IR OUT 2: When connected to the IR IN of an ancillary equipment, direct the ancillary equipment's own remote control to the T 757's infrared receiver to command or control the linked unit.

IR IN and IR OUT 1, IR OUT 2: Connect the T 757's IR IN to the IR OUT of an ancillary equipment. Connect also the T 757's IR OUT 1 to another equipment with IR IN feature. With this setup, the T 757 acts as an "IR-repeater" allowing the equipment connected to the T 757' s IR IN control or command of the other equipment linked to the T 757's IR OUT 1. A combination of IR IN and IR OUT 2 also perform the same function.

IDENTIFICATION OF CONTROLS

REAR PANEL

15 COMPONENT VIDEO INPUT 1-3, COMPONENT VIDEO OUT

- Connect the Component Video Input to Component Video output of compatible source components, typically a DVD player, BD player, digital cable box or other applicable components. Connect Component Video Out to the Component Video input of a compatible video monitor/TV.
- Be sure to observe consistency in connecting the Y/Pb/Pr jacks to the corresponding sources/inputs. The routing of the three component video input are fully configurable via the Source Setup item of the Setup Menu OSD.
- The T 757's sets of component video input and output are fully wideband and compatible with allowable HDTV formats.

16 7.1 CHANNEL INPUT

- Connect to the corresponding analog audio output of a multichannel source component such as a DVD-Audio or multichannel-SACD player or external multichannel decoder (disc copy protected formats only allow analog signal transfer). Typically, these sources will produce 5.1-channel output, in which case the Surround Back jacks are left unconnected. The signal present at these jacks can be heard by selecting Source 7 (7.1 CHANNEL INPUT is defaulted to this Source).
- There is no bass-management or other processing (other than master-volume control) available to this 7.1 channel input.
- While the multichannel audio output of a DVD/BD player can be connected to these jacks, using the T 757's own Dolby Digital and DTS decoding and digital-analog converters via a digital connection will usually produce superior results.

17 AUDIO PRE-OUT

- The AUDIO PRE- OUT makes it possible to use the T 757 as a pre-amplifier to external power amplifiers for some or all channels. Connect FRONT L, FRONT R, CENTER, SURR R, SURR L, SURR-BL and SURR-BR to the respective channel input of a power amplifier or amplifiers driving the corresponding applicable speakers.
- Unlike the full range channels, there is no power amplifier built-into the T 757 for a subwoofer. Connect the SUBW output to powered ("active") subwoofers or to power amplifier channels driving a passive system.

NOTE

Never connect both the external amplifier and T 757's speaker outputs to the same set of speakers.

18 SWITCHED AC OUTLET

This convenience outlet can supply switched power to another component or accessory.

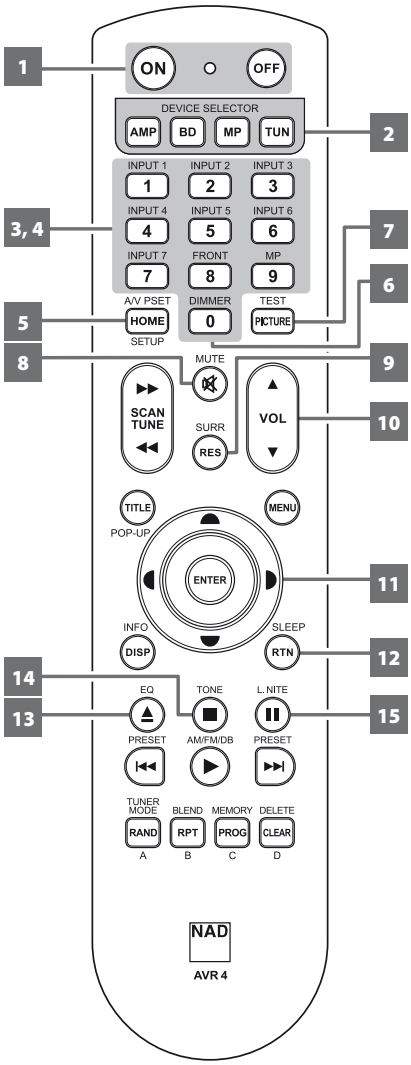
- The total draw of all devices connected to this outlet must not exceed 120 watts.
- It is powered ON and OFF by the front panel STANDBY button or by the AVR 4's ON and OFF keys.

USING THE AVR 4 REMOTE CONTROL

The AVR 4 remote control handset handles the key functions of the T 757. The AVR 4 can also be used to directly command other NAD products that respond to applicable common remote control codes. This includes other NAD Stereo Receiver, Integrated Amplifier and Preamplifier models. It has additional controls to remotely operate NAD Blu-ray Disc Players, AM/FM Tuners and dedicated AM/FM/DB Tuners. It will operate up to a distance of 23ft (7m). Alkaline batteries are recommended for maximum operating life. Two AA batteries should be fitted in the battery compartment at the rear of the Remote Control handset. When replacing batteries, check that they have been put in the right way round, as indicated on the base of the battery compartment.

NOTE

The remote control handset supplied with the T 757 is of a universal NAD type, designed to operate several NAD models. Some buttons are applicable only to specific NAD models. Contact your dealer or NAD audio specialist for assistance.



1 ON, OFF

The AVR 4 remote has a separate ON and OFF button.

- Press ON button to switch the T 757 from Standby to operating mode. Press OFF button to switch the T 757 to Standby mode.

2 DEVICE SELECTOR

A Device Selector button determines only what component the AVR 4 will command; it does not perform any function on the T 757.

- Press desired Device Selector button for the applicable buttons to be directed to a "page" of commands relevant to the selected device. Upon selecting a Device, you can now press the corresponding AVR 4 control buttons applicable for the selected Device.

3 INPUT SELECTORS

Refer to the corresponding labels printed in the remote control faceplate and their respective assigned buttons to make use of these functions.

- Set the DEVICE SELECTOR to "AMP" in order to gain access to these buttons.
- INPUT 1, INPUT 2 up to INPUT 7 corresponds to T 757's Source 1, Source 2 up to Source 7. Select FRONT to select Front Input and MP for Front Audio MP input.

4 NUMERIC KEYS

The numeric keys allow for direct input of tracks for CD players and direct channel/preset access for tuners and receivers.

5 A/V PSET

In combination with the numeric keys, press a Preset number from 1 to 5 as referenced to A/V Presets settings. Note that the Preset settings can be configured via the A/V Presets menu.

6 DIMMER

- Reduce or restore VFD brightness.
- Depending on the NAD model, the brightness of the front panel display will vary when you toggle this button.
- Use with NAD T 757 and other compatible NAD Stereo Receiver, Tuner and CD Player models.

7 TEST

Initiate speaker TEST mode while at the Speaker Levels section of the Speaker Setup menu.

8 MUTE

- Temporarily mutes audio output or restores audio from mute mode.
- MUTE mode is indicated by flashing Standby LED indicator for NAD Integrated Amplifiers or "Mute" shown in the VFD of NAD Receivers.
- Adjusting the volume level via the AVR 4 or the front panel volume knob will automatically release the mute function.

9 SURR

Select desired listening or surround mode.

IDENTIFICATION OF CONTROLS

AVR 4 REMOTE CONTROL

10 VOL ▲/▼

- Increase or decrease loudness level. Release the button when desired level is reached.
- The VFD on the front panel will indicate the level set. For NAD Receivers, the VFD will also show "Volume Up" or "Volume Down" or "Volume: _ _ dB" (_ _ indicates the numerical dB level) while pressing AVR 4's [VOL ▲/▼] buttons.

11 ◖/◗/◓/◒, ENTER

Select an item in a menu.

12 SLEEP

Switch off the NAD Receiver or Tuner after a preset number of minutes.

SLEEP MODE

The Sleep Mode timer will switch the T 757 to Standby mode automatically after a preset number of minutes. Pressing the AVR 4's [SLEEP] button once will display the current setting of the sleep time mode or remaining time before the T 757 goes to standby mode. Pressing the AVR 4's [SLEEP] button a second time within a 3-second period will change the sleep time mode to the next sleep time setting. Each consecutive press increases the sleep time in 15-minute increments from 15 to 90 minutes. To cancel the sleep mode, continue pressing the AVR 4's [SLEEP] button until "Sleep Off" is displayed on the VFD. Switching the T 757 to standby mode from either the AVR 4's OFF or the T 757's Standby button will also cancel the sleep mode.

13 EQ

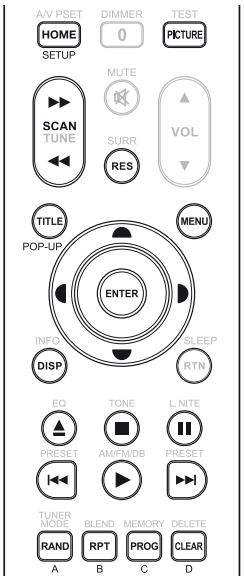
Enable or disable Equalization (EQ) effect as set up at Auto Calibration. This is not applicable to T 757.

14 TONE

Adjust Treble or Bass level. Toggle [TONE] and then use [◓/◒] buttons to set up values.

15 L.NITE

Set Dynamic Range Control (DRC) level. Toggle [L.NITE] to select either DTS or Dolby DRC setting and then use [◓/◒] buttons to set up DRC level. This is not applicable to T 757.



DVD/BD/CD PLAYER CONTROL (use with compatible NAD CD Player, Blu-ray Disc Player or DVD Player models)

Set the DEVICE SELECTOR to "BD" in order to gain access to these buttons. Some of the control buttons below are applicable only to specific NAD CD Player, Blu-ray Disc or DVD Players; check the owner's manual of your NAD model for control button compatibility. You can also load the applicable NAD code library to this device so that it can be made compatible with your other NAD equipment. Refer to the section below about "LIBRARY" on how to load a NAD code library.

HOME: Display or exit HOME menu.
PICTURE: Display or exit the Picture Mode menu.
TITLE/POP-UP: Display DVD title menu or BD-ROM pop-up menu, if available.
MENU: Access disc menu, if available.
SCAN [◀◀/▶▶]: Fast reverse/forward search.
[▲]: Open or close disc tray.
[■]: Stop playback.
[II]: Pause playback temporarily.
[▶▶I]: Go to next track, chapter or file.
[I◀◀]: Go to the beginning of current or previous track, chapter or file.
[▶]: Start playback.
ENTER: Select desired track, folder or WMA/MP3 file.
DISP: Show playback time and other display information.
RAND: Play tracks/files in random order.
RPT: Repeat track, chapter, file or whole disc.
PROG: Enter or exit program mode.
CLEAR: Delete programmed track/file.
RES: Set output resolution of HDMI and Component Video output.
SETUP: Access or exit setup menu.
A,B,C,D: Navigate or select BD-ROM menu, if applicable; Page up/down PHOTO and MUSIC menu list.

TUNER CONTROL (use with T 757 tuner section and other compatible NAD Receiver, AM/FM/ DAB Tuner models)

Set the DEVICE SELECTOR to "TUN" in order to gain access to these buttons. Refer to the corresponding labels printed in the remote control faceplate and their respective assigned buttons to make use of these functions. Some of the control buttons below are applicable only to specific NAD Receiver or Tuner models; check the owner's manual of your NAD Receiver or Tuner for control button compatibility. You can also load the applicable NAD code library to this device so that it can be made compatible with your other NAD equipment. Refer to the section below about "LIBRARY" on how to load a NAD code library.

TUNE [◀◀/▶▶] or [◖/◗]: Tune forward or backwards.

INFO: Repeatedly pressing this button will show information as supplied by the current radio station. The applicable display contents include related DAB display information and RDS broadcast data.

PRESET [⏮/⏭] or [▲/▼]: Step up or down Preset numbers.

[◖/◗]: In combination with [TUNER MODE] or other compatible buttons, select through applicable DAB menu options.

[◖/◗/▲/▼]: In XM mode andin combination with [TUNER MODE] or other compatible buttons, select through applicable XM menu options.

ENTER: Select Preset or Tune mode at AM/FM band. Display signal strength at DAB mode.

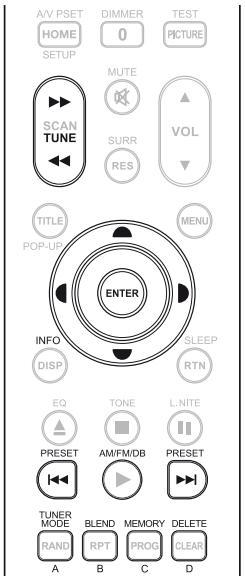
AM/FM/DB: Select DAB, XM, FM or AM band, as applicable.

TUNER MODE: In FM mode, toggle between "FM Mute On" and "FM Mute Off". In XM or DAB mode, use the [TUNER MODE] button in combination with [◖/◗/▲/▼] and [ENTER] buttons to activate XM or DAB menu options.

BLEND: Engage or disengage BLEND feature. This is not applicable to T 757.

MEMORY: Save current station to a Preset number.

DELETE: Delete selected Preset number.



NOTE

For iPod player-specific control buttons, please refer to "CONTROL FEATURES" under "OPERATION - LISTENING TO YOUR iPod PLAYER".

IDENTIFICATION OF CONTROLS

AVR 4 REMOTE CONTROL

LIBRARY

The AVR 4 can store a different library of default NAD codes for each of its DEVICE SELECTOR "pages." If the original default library does not control your NAD CD player, DVD player, or other component, follow the procedure below to change the library code. Refer as well to the table below for a list applicable NAD Library Codes with their corresponding NAD models.

LOAD ANOTHER LIBRARY CODE

Example: Load NAD DVD Player T 517 library code to AVR 4's "BD" device.

1. Press and hold [BD] in the DEVICE SELECTOR section of AVR 4.
2. While holding down the device button [BD], press "2" and "2" using AVR 4's numeric buttons. "22" is the corresponding library code for T 517.
3. Press [ENTER] while still holding down the device button [BD]. The BD device selector will flash once to indicate that the library input is successful. Both the device selector button [BD] and [ENTER] can now be released.

RESET THE AVR 4 TO ITS DEFAULT SETTINGS

The AVR 4 can be restored to its factory settings, including default libraries, via the following procedures

1. Press and hold [ON] and [DELETE] buttons for about 10 seconds until the AMP device button lights up.
2. Within two seconds of the AMP device button lighting up, release both buttons. If the reset mode is successful, the [BD] device button will flash twice.

TABLE OF LIBRARY CODES APPLICABLE TO AVR 4 REMOTE CONTROL

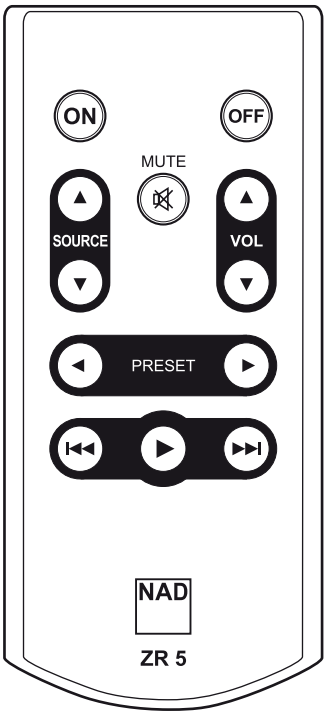
LIBRARY CODE	NAD PRODUCT DESCRIPTION
10	Default library for "AMP" page
11	Zone 2
20	C 515BEE, C 545BEE, C 565BEE
21	T 535, T 585, M55; DVD section of L 54, VISO TWO, VISO FIVE
22	T 513, T 514, T 515, T 517
23	T 587, T 557, T 577, M56
30	IPD 1
31	IPD 2
40	Default library for "TUN" page; Tuner section of C 725BEE, T 175, T737, T 747, T 755, T 765, T 775, T 785
41	C 422, C 425, C 426
42	C 445

NOTE

The AVR 4 may not necessarily contain all the control buttons applicable for the above-mentioned NAD products. Use the prescribed remote control of the specific NAD product for a full compliment of the applicable remote control buttons.

USING THE ZR 5 REMOTE CONTROL

The ZR 5 is a discrete compact remote for controlling the Zone 2 feature of the T 757. Irrespective of the main room/zone settings, the ZR 5 allows full separate control of the Zone 2 source selection among other applicable features.



1. **ON/OFF:** Switch ON/OFF the Zone feature.

2. **SOURCE [▲/▼]:** Select the active input of the NAD T 757 that will be sent out to the corresponding rear panel ZONE 2 output port.

3. **MUTE:** Temporarily switch OFF or restore the Zone Volume level.

4. **VOLUME [▲/▼]:** Increase or decrease the loudness level of selected Zone source. This is possible only if the VOLUME setting of ZONE 2 CONTROLS is set to VARIABLE.

5. **PRESET [◄/►]:** Step up or down between stored radio presets. This control button is possible if the selected Zone is "TUNER" and the active tuner section has stored presets. This control button is not applicable to T 757.

6. The following CD Player Zone buttons can control a compatible CD Player. The CD Player has to be powered ON and disc loaded.
   SKIP [▶▶I]: Go to the beginning of a track/file or previous track/file.
   SKIP [I◀◀]: Go to the next track/file.
   [►]: Start playback.

ALTERNATE IR CHANNEL

The T 757 has the capability to operate via Alternate IR channel. This is practically useful if you have two NAD products that can be operated by similar remote control commands. With alternate IR Channel, two different NAD products can be controlled independently in the same zone by setting each one to a different IR channel.

IR CHANNEL ASSIGNMENT

The T 757 and the AVR 4 remote control must be set to the same channel.

To change the Main Zone IR Channel on the T 757

- Press and hold SOURCE ◄ and then toggle STANDBY button to select desired IR Channel – the VFD will show "IR Channel 1" or "IR Channel 0". The default IR Channel is "IR Channel 0".

To change the IR Channel on the AVR 4 remote control

- Include a channel number before the library code. For AVR 4, library code "10" is the default library table for "AMP" device. To select this "AMP" library table for "IR Channel 0", retain the library code "10" (or "010").
- If you want to load the "AMP" library table on "IR Channel 1", prefix the library code with "1" to indicate association with "IR Channel 1". Load then the "AMP" library table using the code "110". Repeat the same for MP (130) and TUNER (140).

SAMPLE SETUP OF TWO NAD PRODUCTS ON THE SAME ZONE

NAD T 757 and NAD C 326BEE are both defaulted to IR Channel 0. If [OFF] button is pressed on the AVR 4 remote control (or SR 8 remote control for the C 326BEE), both products will go to standby mode. Press [ON] and both products will power up from standby mode.

To prevent both products from simultaneously going in and out of standby mode along with other common commands, set each one to a different IR channel. In this setup, we will keep C 326BEE and SR 8 remote control defaulted to "IR Channel 0". As for T 757, we will assign it to "IR Channel 1"; the same applies to AVR 4.

Set T 757 and AVR 4 to "IR Channel 1" via the following procedure.

T 757

- Press and hold SOURCE ◄ and then toggle STANDBY button to select "IR Channel 1".

AVR 4

- Press and hold [AMP] in the DEVICE SELECTOR section of the AVR 4.
- While holding down the device button [AMP], press "1", "1" and "0" using AVR 4's numeric buttons.
- Press [ENTER] while still holding down the device button [AMP]. The AMP device selector will flash once to indicate that the library input is successful.

With both T 757 and AVR 4 set to "IR Channel 1", the C 326BEE can now be remotely controlled independent of the T 757.

NOTE

Performing a Factory Reset for T 757 or AVR 4 will result to a return to the factory default "IR Channel 0" setting.

OPERATION

USING THE T 757 - MAIN MENU

ABOUT THE ON-SCREEN DISPLAY (OSD)

The T 757 employs a simple, self-explanatory system of on-screen display "menus" that will appear on the connected video monitor/TV. These are required during the setup process (and are useful in day-to-day operation), so be sure to connect the monitor/TV before proceeding with the setup.

DISPLAY THE OSD

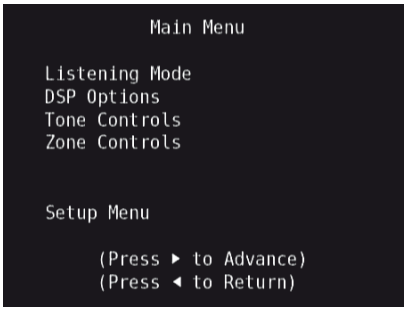
Press [◗], [>], [MENU] or [ENTER] buttons of the AVR 4 remote control or front panel to display the T 757's Main Menu on your video monitor/TV. If the OSD does not appear, check your MONITOR OUT connections.

NAVIGATING THE OSD AND MAKING CHANGES

To navigate through the OSD menu options, please do the following using the AVR 4 or corresponding front panel buttons:

1. Press [◗] to select a menu item. Use [◓/◒] or in some cases, [ENTER], to move up or down the Menu selections. Repeatedly press [◗] to advance or go further into the sub-menu of desired menu item.
2. Use [◓/◒] to set or change the parameter value (setting) of a menu item.
3. Press [◖] to save the settings or changes done on the current menu or sub-menu. Pressing [◖] will also return the user to the previous menu or exit from a particular menu.

MAIN MENU



The Main Menu contains the menu options for "Listening Mode", "DSP Options", "Tone Controls", "Zone Controls" and access to "Setup Menu".

Follow the guidelines about "DISPLAY THE OSD" and "NAVIGATING THE OSD AND MAKING CHANGES" to navigate through the menu options and their sub-menu selections.

NOTE

The individual configurations set forth at "Listening Mode", "DSP Options" and "Tone Controls" are carried over whenever they are enabled at A/V Presets setting. Please see the section "AV PRESETS" for reference.

LISTENING MODE

The T 757 offers distinct listening modes, tailored for different types of recording or program material. With a two-channel (Stereo) source, the following listening modes can be selected.

STEREO

Output is directed to the front left/right channels. Low frequencies are directed to the subwoofer if one is present in the Speaker settings. Select "Stereo" when you wish to listen to a stereo (or monaural) production, such as music CD or FM broadcast, without surround enhancement. Stereo recordings whether in PCM/digital or analog form and whether surround-encoded or not encoded, are reproduced as recorded. Multi-channel digital recordings (Dolby Digital and DTS) are reproduced in "Stereo Downmix" mode via the front left/right channels only as Lt/Rt (left/right-total) signals.

DIRECT

The analog or digital sources are automatically played in their native formats. All the source's audio channels are reproduced directly. This mode recreates the original sound most faithfully thereby producing outstandingly high quality audio. Note that the source must be at playback mode for "Direct" to become available as a listening mode option. In order to automatically playback your source in their native format, implement the following settings.

1. Go to "Listening Mode Setup" under "Setup Menu". At the "Listening Modes" menu, set all Dolby, DTS, PCM and Analog settings to "None". With this setup, your source will be played back directly at its native format.
2. Next, go to "A/V Presets" under "Setup Menu". At "A/V Presets" menu, set "Listening Mode" item to "Yes" and then save this setting among other options, say to "Preset 1", by selecting "Save Current Setup to Preset".
3. Now, you can associate "Preset 1" to any of the "Source" settings. For example, at Source 1 setting under "Source Setup (Normal View)", scroll down to "A/V Preset" item and set it to "Preset 1". Thus whenever Source 1 is selected, the associated source will always be directly played back at its native audio format.

PRO LOGIC

Two-channel recordings, whether stereo or surround-encoded, are reproduced with Dolby Pro Logic surround processing, yielding output to front left/right, center and discrete left/right surround channels (assuming these are present in the current "Speaker Configuration"). The surround channel is monophonic, but it is reproduced in both surround speakers.

DOLBY PRO LOGIC IIx

Dolby Pro Logic IIx processes both stereo and 5.1 signals into a 6.1 or 7.1 channel output. At Dolby Pro Logic IIx, you can either choose PLIIx Movie or PLIIx Music mode to tailor your listening experience to the source material. Dolby Pro Logic IIx surround processing yields more stable imaging and full bandwidth sound to the rear channels in Movie mode offering sound that is more similar to Dolby Digital decoding. For two channel signals, PLIIx Music mode also features three additional user controls – Dimension, Center Width, and Panorama. See also section about "Adjusting Listening Modes" below.

The following chart shows the channels available assuming they are enabled in the "Speaker Configuration" menu:

Listening Mode Two-Channel Sources	Active Decoded Output Channels	
	6.1 Speaker System	7.1 Speaker System
PLIIx Music PLIIx Movie	Front (left and right), Center, Surround (left and right), Back Surround, Subwoofer	Front (left and right), Center, Surround (left and right), Back Surround (left and right), Subwoofer

NEO: 6

Two-channel recordings, whether stereo or surround-encoded, are reproduced with NEO:6 surround with output to front left/right, center and discrete left/right surround channels plus subwoofer (assuming these are present in the current "Speaker Configuration"). The T 757 provides two DTS NEO:6 variations – NEO:6 Cinema and NEO:6 Music. See also section about "Adjusting Listening Modes" below.

EARS

Two-channel recordings, whether stereo or surround-encoded, are reproduced with proprietary NAD surround processing with signal output to the front left/right, center and discrete left/right surround channels, plus subwoofer (assuming these are present in the current "Speaker Configuration"). EARS does not employ the surround back speakers (if any).

EARS extracts the natural ambience present in nearly all well-produced stereo recordings. It does not synthesize any ambience or other sonic elements and thus remains truer to the sound of the original musical performance than most other music-surround options.

Select EARS for listening to stereo music recordings and broadcasts. EARS produces a subtle but highly natural and believable ambience from nearly all "natural-acoustic" stereo recordings. Typically, these include classical, jazz, and folk genres as well as numerous examples from others. Its virtues include realistic, stable "front-stage" sonic imaging and spacious but unexaggerated ambient "virtual acoustics" that remain faithful to the original recording.

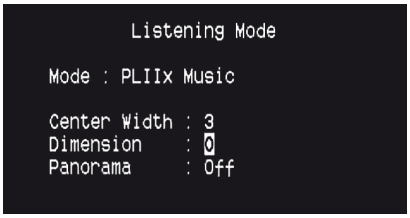
ENHANCED STEREO

All recordings are reproduced in stereo via the maximum speaker complement configured in the current "Speaker Configuration". Enhanced stereo can be useful for maximum volume from all channels or for multi-speaker background music (cocktail party) listening. For this mode, Front, Center, Surround and Back speakers can be turned ON/OFF as desired.

ANALOG BYPASS

All analog signals remain in the analog domain without analog-to-digital conversions. At Analog Bypass, the DSP circuitry is bypassed but full tone control functions remain. "Bass management" or Speaker settings are also not in effect as these are DSP functions.

ADJUSTING LISTENING MODES



Several of the T 757's listening modes have one or more selectable variations and adjustable parameters that you can modify to suit your system or personal preferences. At Listening Mode menu, use a combination of [ENTER] and [▲/▼] keys to navigate and effect desired settings.

NOTE

Listening Mode parameter changes are maintained when you change listening modes. You may also save a modified Listening Mode for easy recall by saving it to a Preset (See "A/V Presets" below under Setup Menu discussions).

PRO LOGIC IIx

PLIIx MOVIE is optimized for film soundtracks.

PLIIx MUSIC for music recordings.

Center Width (0 to 7): Modifies the "hard-centeredness" of the center image, by gradually mixing mono center content to the Front left/right speakers as well. A setting of "0" retains the center-channel-only default while a setting of "7" yields a fully phantom center channel.

Dimension (-7 to 7): Adjusts front-rear emphasis of the surround effect independently from the relative channel levels.

Panorama (On/Off): Adds a "wraparound" effect by extending some stereo content into the surround channels.

NOTE

Pro Logic IIx mode will decode as Pro Logic II mode when the BACK surround speakers are set to "Off" from "Speaker Configuration" menu. See also section about "Speaker Configuration" under "Speaker Setup" of the Setup Menu.

DTS NEO: 6

NEO: 6 Cinema is optimized for film soundtracks.

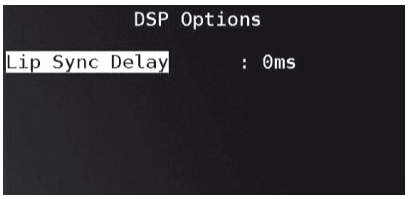
NEO: 6 Music for music recordings

Center Gain (0 to 0.5): Adjust for better center image in relation to the surround sound channels.

OPERATION

USING THE T 757 - MAIN MENU

DSP OPTIONS

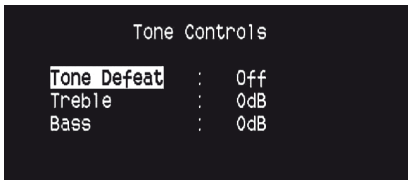


LIP SYNC DELAY

DSP Options has the feature "Lip Sync Delay" whose function is to match any delay that may occur in the picture relative to the audio.

By varying "Lip Sync Delay" from 0ms to 120ms, one can delay the audio output in order to synchronize it with the video image.

TONE CONTROLS



The T 757 has two Tone Control levels – Treble and Bass. Bass and Treble controls only affect the low bass and high treble leaving the critical midrange frequencies free of coloration.

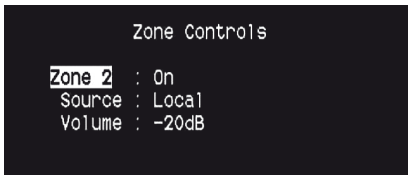
These controls allow one to tweak on-the-fly, the frequency response of the source during playback. The control setting could be adjusted by navigating through the Tone Controls' OSD menu via a combination of [ENTER] and [◖/◗/◓/◒] keys.

Maximum and minimum values for all three Tone Control levels are ±10 dB.

"Tone Defeat" gives one the choice of varying or completely bypassing the tone control section of the T 757. If "Off" ("Tone Active" in the VFD) is selected, the Tone Control circuits are active.

Select "On" ("Tone Defeat" in the VFD) to bypass the Tone Controls effectively defeating the effect of the tone control circuits.

ZONE CONTROLS



Depending on the settings made at the separate "Zone Setup" menu under the "Setup Menu" section discussion, Zone 2 can be configured and managed via this "Zone Controls" window.

Select "On" to activate Zone 2. When activated, the Source input for Zone 2 can be allocated by selecting through the following inputs – All enabled Sources, Front Input, Media Player, Tuner and Local.

As long as the associated Source input is active, it will continuously be available at ZONE 2 output port in the rear panel regardless of the Main Zone settings. For example, while the T 757 is at Source 1 mode, you can set the Zone 2 Controls' "Source" item to "Source 3"; the active Source 3's audio output will be directed to ZONE 2 output port in the rear panel even though the T 757 is at Source 1 mode.

You can then feed the ZONE 2 jacks to another amplifier or receiver that maybe located in another area of your home or building. With your separate amplifier or receiver selecting the fed signal and with speakers connected, you can then enjoy the zone selected source's audio signal.

Select "Local" as your selected Zone 2 Source input if you wish to enjoy the same source as the main Zone and allow simultaneous listening, but with full separate volume levels.

If a Zone 2 is set to "Off", it is deactivated or powered off.

IMPORTANT NOTICE

Only analog audio connected through a Source's analog audio input port can be associated as audio source for Zone 2. Digital audio sources connected via HDMI, digital optical and digital coaxial input ports cannot be downmixed and used as Zone 2 audio source. Ensure also that the associated Source's Digital Audio setting is set to "Off" or no actual digital source is connected.

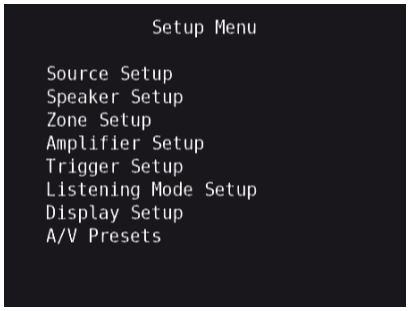
VOLUME

"Volume" refers to the adjustable secondary Zone 2 Volume level that can be increased or decreased depending upon its settings. This is applicable only if the Zone 2 Volume setting in the separate "Zone Setup" menu under "Setup Menu" is set to "Variable". **If set to "Fixed", this "Volume" item at the Zone Controls section will not be available.**

NOTES

- *If Zone 2 is still ON and STANDBY button is pressed to switch the T 757 to standby mode, the VFD will be extinguished but the STANDBY LED remains illuminated blue. This indicates that Zone 2 is still active. In order to completely shut down the T 757 together with Zone 2, press and hold STANDBY button until the STANDBY LED turns amber.*
- *Zone 2 is audio only and not associated with any video input sources.*

SETUP MENU



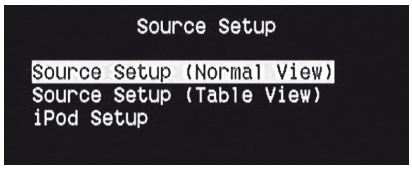
The Setup Menu allows one to customize the operation of the T 757 to the ancillary equipment used in one's specific AV system. Unless your system exactly matches the factory defaults as shown in the accompanying Quick Start Guide, you will need to use the setup menu to configure the inputs of the T 757.

At Setup Menu, the following are configurable – Source Setup, Speaker Setup, Zone Setup, Amplifier Setup, Trigger Setup, Listening Mode Setup, Display Setup and A/V Presets.

Follow the guidelines about "DISPLAY THE OSD" and "NAVIGATING THE OSD AND MAKING CHANGES" to navigate through the menu options and their sub-menu selections.

SOURCE SETUP

There are three sub-menu items under Source Setup. These are Source Setup (Normal View), Source Setup (Table View) and iPod Setup.

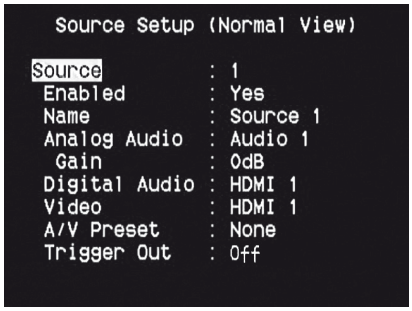


SOURCE SETUP (NORMAL VIEW)

The Source Setup (Normal View) menu makes it possible to set, allocate or change the following settings.

SOURCE

The T 757 is equipped with ten configurable Sources. The settings for each Source are dependent upon the configurations set forth in the parameters for that particular Source window.



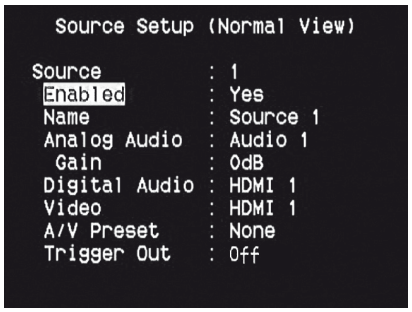
To change or toggle through the Sources, scroll to "Source", press [◗] button and then ENTER or [▲/▼]to move up or down the Source selections.

NOTE

Source 5 is defaulted to iPod. Remove the default setting of Source 5 to iPod via the following procedure:

1 *Go to "iPod Setup" menu under the "Source Setup" menu. At "iPod Setup" menu, set "Enabled" to "No".*
2 *Then, go back to "Source Setup" menu and select "Source Setup (Normal View).*
3 *Go to Source 5 and set "Enabled" to "Yes".*
Source 5 can now be configured to any desired settings.

ENABLED

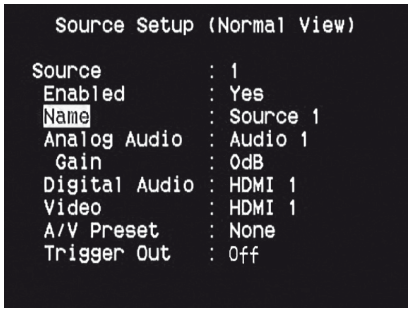


One can enable/disable a Source via this option. This is particularly useful if only few Sources are used and one directly selects the Source from the front panel, bypassing unused sources.

Select "Yes" to enable the particular Source or "No" to disable the Source.

NAME

A new Name maybe assigned to a Source label. For example, if your BD player is attached to "Source 1", it is possible to rename "Source 1" to "BD Player".



In order to rename the Source label, scroll to the "Name" parameter. Press [◗] to go to the first character. Then, press [▲/▼] to pick through the alphanumeric selections.

Press [◗] to move to the next character and at the same time save the changes done on the current character. The name can be as long as twelve characters.

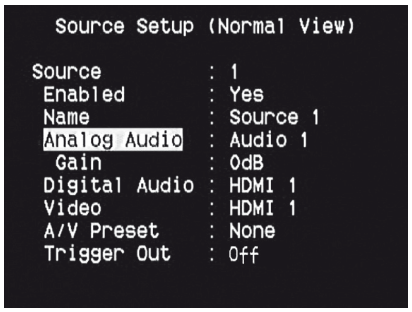
The new Name will be shown in the VFD as well as on the OSD.

OPERATION

USING THE T 757 – SETUP MENU

ANALOG AUDIO

The T 757 has six analog audio inputs including 7.1 input. These analog inputs - Audio 1, Audio 2, Audio 3, Audio Front, Audio MP and 7.1 Input can be variably assigned to each Source.



Scroll to "Analog Audio" and then press [◗] and then [▲/▼] to select and assign an analog audio input to the particular Source. There are three choices - Audio, 7.1 Input or Off.

When "Audio" is chosen, press [◗] and then [▲/▼] to select and assign the desired audio input - 1 to 3, Front and MP.

Select "7.1 Input" to choose the audio signal fed to the "7.1 Channel Input". If "Off' is selected, no incoming analog audio signal is selected by the particular Source.

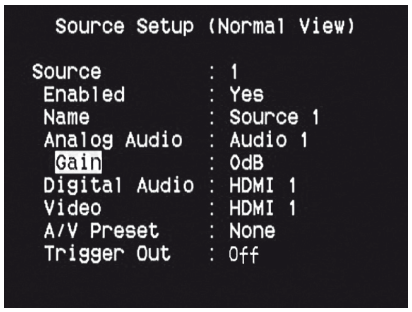
NOTE

An incoming digital signal present at the assigned digital input will always take precedence over the assigned analog audio input, even if both are present. To maintain the analog audio input for the particular Source, select "Off" at the "Digital Audio" setting of the same "Source" menu.

GAIN

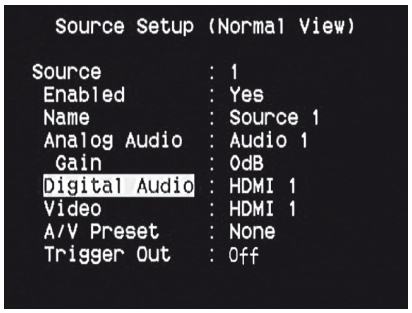
Gain adjustment allows all sources to play back at the same volume level so you don't need to adjust the volume every time a new source is selected. It is generally preferable to reduce the level of the loudest source rather than making louder the softer sources.

Scroll to "Gain", press [◗] and then [▲/▼] to step through the desired level from -12dB to 12dB.



DIGITAL AUDIO

To take advantage of the T 757's high performance surround and digital audio circuitry, it is advisable that its Digital Audio inputs are selected. There are three types of Digital Audio input for the T 757. These are HDMI, Optical and Coaxial digital inputs. A fourth option is "Off" whereby no incoming digital audio signal is selected by the particular Source.



The desired digital audio input for a particular Source can be selected by scrolling to "Digital Audio", press [◗] and then [▲/▼] to step through the desired digital input source. After finalizing the desired type of Digital Audio input, press [◗] and then [▲/▼] again to select the specific Digital Audio input.

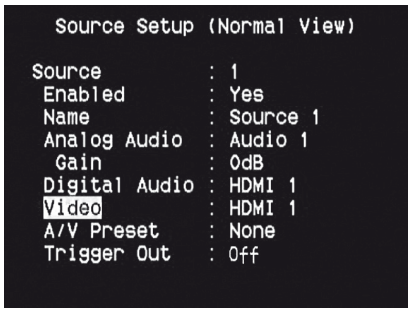
The following are the sets of assignable Digital Audio input:
HDMI ➜ HDMI 1, HDMI 2, HDMI 3, HDMI 4
Optical ➜ Optical 1, Optical 2, Optical 3, Optical Front
Coaxial ➜ Coaxial 1, Coaxial 2, Coaxial 3

NOTE

An incoming digital signal present at the assigned digital input will always take precedence over the assigned analog audio input, even if both are present. To maintain the analog audio input for the particular Source, select "Off" at the "Digital Audio" setting of the same "Source" menu.

VIDEO

There are four types of video input a particular Source could be assigned. These are HDMI, Component, S-Video and Video inputs. A fifth option is "Off" wherein the particular Source is prompted not to select any Video input.



Navigate through the Video input selections by pressing [◗] and then [▲/▼] to step through the selections. The following are the sets of assignable Video input:

HDMI ➜ HDMI 1, HDMI 2, HDMI 3, HDMI 4
Component Video ➜ Component 1, Component 2, Component 3
S-Video ➜ S-Video 1
Video ➜ Video 1, Video 2, Video Front

VIDEO FORMAT CONVERSION

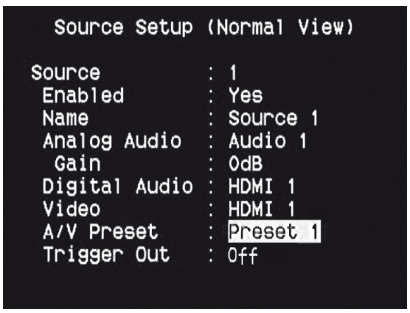
The T 757 is equipped with a Video Format Converter. This allows for a simplified video connection between the T 757 and your TV Monitor when using multiple video formats such as Composite (CVBS), S-Video, and Component (YUV). This format change is accomplished by encoding the analog video signal into a digital signal using a very high quality digital encoder to maintain the best possible picture quality.

Once in digital format, the video input signal could also be available at the other Monitor output jacks including HDMI MONITOR OUT. Thus, you do not have to necessarily assign the video output of a composite video input signal to MONITOR OUT (Composite video). The composite video input signal can be viewed also at HDMI MONITOR OUT at a resolution setting dependent upon your TV/Monitor's resolution capability. Some TV/Monitors will automatically display the video signal at 480p/576p if they are not capable of displaying 480i/576i.

If your TV/Monitor does not have HDMI input, select the highest quality video format available on your TV/Monitor and utilize this as T 757's preferred Monitor OUT. In most cases, this will be Component Video, but on some older TVs, S-Video maybe the best quality connection.

A/V PRESET

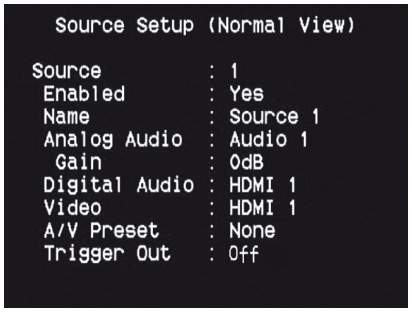
A particular Source can be assigned a stored Preset. The parameters set up in the selected Preset number will be adopted into the particular Source it is assigned (Please refer to the separate section on "A/V Presets" for further understanding of Preset settings).


Source Setup (Normal View)
Source : 1
Enabled : Yes
Name : Source 1
Analog Audio : Audio 1
Gain : 0dB
Digital Audio : HDMI 1
Video : HDMI 1
A/V Preset : Preset 1
Trigger Out : Off

Scrolling to "A/V Preset" and by pressing [◗] and then [▲/▼], a Source could be assigned a Preset number ranging from Preset 1 to 5.

If it is desired not to assign the particular Source a Preset setting, select "None".

TRIGGER OUT



The Trigger Out for a particular Source is dependent upon the configurations done in a separate menu on Trigger Setup (See "Trigger Setup" below).

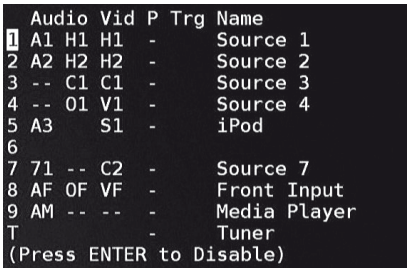
For "Trigger Out" to become enabled and assignable at "Source Setup (Normal View)" menu, make sure to carry out or note the following beforehand

- In the separate "Trigger Setup" menu, assign "Trigger 1 Out" to "Source Setup".
- "Trigger Out" will not appear as an option at the Source Setup (Normal View) menu if at the separate "Trigger Setup" menu, "Trigger 1 Out" is assigned to "Main" or "Zone 2".

Set "Trigger Out" to "On" to enable "Trigger Out" or "Off' to disable it as per assigned Source.

SOURCE SETUP (TABLE VIEW)

The Source Setup (Table View) reflects the settings made in the Source Setup (Normal View) menu. All the Source settings are summarized and displayed in tabulated form in the Source Setup (Table View).


Audio Vid P Trg Name
1 A1 H1 H1 - Source 1
2 A2 H2 H2 - Source 2
3 -- C1 C1 - Source 3
4 -- 01 V1 - Source 4
5 A3 S1 - iPod
6
7 71 -- C2 - Source 7
8 AF OF VF - Front Input
9 AM -- -- - Media Player
T - Tuner
(Press ENTER to Disable)

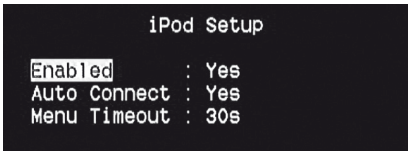
Navigating through the Source Setup (Table View) via a combination of [◖/◗] and then [▲/▼] buttons, one will have the benefit of directly changing the settings for "Audio", "Video", "Preset", "Trigger" and "Source Name" without going back to the Source Setup (Normal View) menu.

Highlight a particular Source number and then, toggle [ENTER] button to enable or disable said Source number.

OPERATION

USING THE T 757 – SETUP MENU

iPod SETUP



The iPod Setup menu allows you to preset the following associated settings when iPod is the selected source:

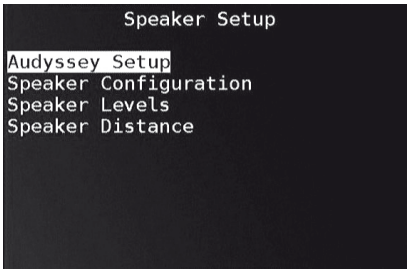
Enabled: Select "Yes" to enable iPod as a Source or "No" to disable it.

Auto Connect: Select "Yes" to automatically enable and connect the iPod player docked in the linked NAD iPod docking station when Source 5 (the default iPod source allocation in the T 757) is selected. Select "No" if you do not want a docked iPod to be connected automatically.

Menu Timeout: Set the time for the OSD to revert to the "Now Playing" display when the iPod menu has been left idle (no scrolling or navigation being done) for the specified time out time. For the "Now Playing" OSD to be shown, there should be a song paused or being played before going to the iPod menu. You can set the "Menu Timeout" between the range 5s to 60s at 5s increments. If you do not want for the menu to timeout, select "Off".

SPEAKER SETUP

After connecting all ancillary sources and other combinations, the Speaker Setup menu will guide you on how to manage and setup your speakers in order to achieve optimum sound acoustics in your listening environment. The following are the Speaker Setup Menu sections.



AUDYSSEY SETUP

It has been shown that many, if not most, surround sound systems are not accurately configured and setup. This requires special knowledge and instrumentation that the average person probably doesn't possess.

The T 757 has the capability to automatically setup your own unique Home Theatre's speaker system. This is achievable through the T 757's Audyssey Setup feature along with the sophisticated digital electronics built into your unit.

The installation of your new T 757 is greatly simplified by Audyssey Setup with the end result of delivering the best quality sound possible given the type of speakers you have as well as your listening room's dimensions. Audyssey Setup takes up only a fraction of time to run compared with setting up your speakers manually and then achieve results that rival other expensive test and setup measuring devices.

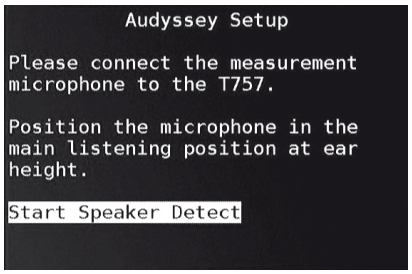
The following measurements are performed:

- **Detection:** Speaker configuration is detected including the number of surround speakers and whether a subwoofer and center channel is connected.
- **Size:** T 757 crossover is set based on each channel's signal handling capability and the subwoofer crossover is automatically set.
- **Level:** SPL of each speaker is matched within 1dB at the microphone position.
- **Distance:** Accurately set the appropriate distance of each speaker position as well as the subwoofer with respect to the microphone position.
- **Polarity:** The setup program will detect and notify the user if any speakers are connected improperly. Incorrect polarity can ruin the illusion of realism offered by surround sound.

This is a one-time setup, unless speakers are moved or changed, in which case Audyssey Setup should be performed again.

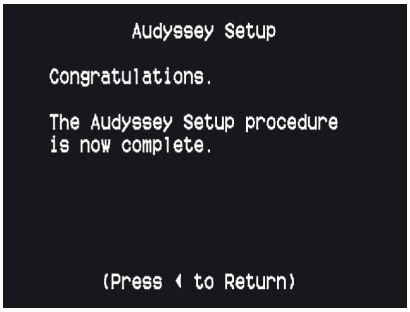
MEASUREMENT IS THE FIRST STEP

Connect the Audyssey microphone jack into the front panel's MP/MIC input and the Audyssey Setup wizard will guide you through a simple step-by-step configuration.


Audyssey Setup
Please connect the measurement microphone to the T757.
Position the microphone in the main listening position at ear height.
Start Speaker Detect

The sound at your main listening position is setup using the supplied Audyssey microphone. A special test tone is sent to each speaker and the data is memorized by the T 757. The duration of setup may take some time depending on the number of speakers. After the measurements, Audyssey calculates the ideal system response for your particular room and speaker setup.

If some inconsistencies or discrepancies are detected during the Audyssey setup, the process maybe interrupted or the problem is shown in the particular setup window. A notice screen is correspondingly displayed. After following and undertaking the displayed instructions, re-start the Audyssey setup again. When the measurements are finalized, Audyssey calculates the ideal system response for your particular room and speaker setup.



NOTE

The test tone emitted during measurement is loud. This maybe bothersome for you and may affect your other household members as well, and even your neighbor. It is incumbent for you to decide whether or not to stay in the area during the calibration.

It is recommended that you take full advantage of the T 757's Audyssey Setup feature for your speaker setup. However, if you desire to setup your speakers manually or if you already had run Audyssey Setup but would like to make adjustments, the following sections on Speaker Configuration, Speaker Levels and Speaker Distance can also be followed and implemented.

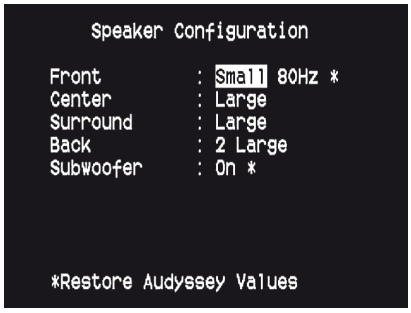
NOTE

During manual setting of your speakers, previously calibrated Audyssey settings could be retrieved by re-adjusting back the altered configurations as highlighted by an asterisk.

OPERATION

USING THE T 757 – SETUP MENU

SPEAKER CONFIGURATION



Every surround-sound system requires "bass-management" to direct low-frequency content from any or all channels to the speakers best able to reproduce it. For this function to operate correctly, it is important that you correctly identify your speakers' capabilities. We use the terms "Small" and "Large" (and "Off") but note that physical size may be irrelevant.

- A "Small" speaker is any model, regardless of physical size, that lacks significant deep-bass response, that is, below about 200 Hz.
- A "Large" speaker is any full-range model; that is, one with deep-bass response
- An "Off" speaker is one that is not present in your system. For example, you might not have any surround-back speakers installed; in that case, you would set the "Back" setup item to "Off".

The Speaker Configuration is "global"; that is, it remains in force with all inputs and in all listening modes. However, speaker settings are part of the T 757's Preset system. Consequently, multiple speaker settings can be stored for easy recall as different types of recordings or listening modes require.

Speaker Configuration can be managed and adjusted by pressing a combination of [◗] and then [▲/▼] keys. Set "Front", "Center" and "Surround" to "Large", "Small" or "Off" as your subsystem's speakers require.

The "Back" speakers can either be one or two speakers. Set "Back" to either 1 or 2 speakers as per availability. Set "Subwoofer" to "On" or "Off," selecting "On" only if you have a subwoofer connected to the T 757's SUBW output jack.

ENHANCED BASS

When the subwoofer is set to ON and "Front" is set to "Large", Enhanced Bass is also available. Normally, with speakers set to "Large" the subwoofer is not active. The Enhanced Bass option allows full range operation of the speakers with the additional bass contribution of the subwoofer. This feature is particularly useful when one wants to experience maximum bass output. Please note that due to acoustic cancellation effects, the bass response may be uneven when using this setting

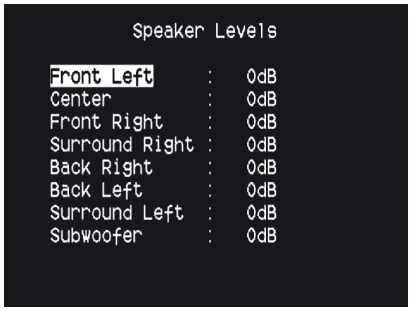
You can set Subwoofer to "On" even with "Large" front speakers, in which case bass content from any channels set to "Small" will be routed to both the subwoofer and to the front speakers; LFE-channel signal will pass only to the sub. In most subwoofer-equipped systems, setting front speakers to "Small" is usually the better option.

All the speakers' low frequency content can be directly adjusted within the range 40Hz to 200Hz.

NOTE

The configurations set forth at "Speaker Setup" are carried over whenever it is enabled during A/V Presets setting. Please see also the section "AV Presets" for reference.

SPEAKER LEVELS



Adjusting the relative balance of your system's loudspeakers ensures that surround-sound recordings, whether music or film, will present the balance of effects, music, and dialog that the artists intended. Additionally, if your system incorporates a subwoofer, it establishes a correct relationship between the volume of the subwoofer and the other speakers, and thus of low-frequencies (bass) to other sonic elements.

USING AN SPL METER

It is quite practical to perform the T 757 level setup routines "by ear," and careful work will produce acceptably accurate results. However, the use of an inexpensive sound-pressure level (SPL) meter, such as Radio Shack part number 33-2050, makes this task easier, more accurate and more repeatable. Ownership of such a meter could prove a valuable audio tool.

The SPL meter should be placed at the primary listening position, at approximately the height of the seated listener's head. A tripod is helpful but with a little duct tape almost anything - a pole lamp, music-stand, or ladder-backed chair, for example - can do as well. Just be sure that no large acoustically reflective surfaces obstruct or are near the microphone element.

Orient the meter with its microphone (usually at one end) pointing straight up toward the ceiling (not toward the speakers) and ensure that "C" weighting scale is selected. Set the meter to display 75 dB SPL. On Radio Shack meters, this necessitates either setting the meter to its 80 dB range and taking your readings at the -5 point or selecting the 70 dB range and reading at the +5 point.

SETTING SPEAKER LEVELS AT TEST MODE

While at "Speaker Levels" menu, press the AVR 4 remote's [TEST] key activating the T 757's Speaker Levels balancing test signal. You will hear a "surf" sound as you step through your speakers ("test" appears to the right side of the current speaker), beginning with the Front Left. If you do not hear the test signal, check your speaker connections or your "Speaker Configuration" OSD menu settings.

Use the remote's [▲/▼] keys to adjust the loudness of the noise output from the currently playing channel to the required level (it's usually simplest to begin with the Front Left). As you cycle the test signal around the speakers, the OSD will highlight the currently playing channel. The "level offset" reading on the right will change by 1 dB increments; ±12 dB adjustment is available. Press [ENTER] to adjust the next speaker.

NOTE

If you are balancing levels "by ear", choose one speaker - usually the center - as a reference and adjust each of the others in turn to "sound as loud" as the reference. Be sure that you remain in the primary listening position while balancing all channels.

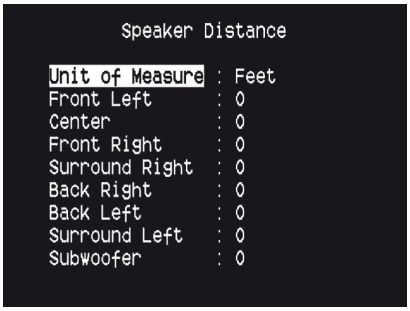
To produce the same SPL meter reading (or subjective loudness), use the remote's [▲/▼] keys to adjust each speaker.

NOTES

- *All speakers must be in their final locations before level-setting.*
- *Your subwoofer (if any) should be set with its integral crossover defeated, or if undefeatable, set to its highest-possible frequency if you are using the T 757's Subwoofer output. Final subwoofer-level adjustment "by-ear," using music and film sound material, is frequently useful.*
- *Due to the effects of room acoustics, matched-pair speakers (front; surround; back) will not always calibrate to exactly the same level offset readings.*

You can exit "Test" mode at any time by pressing [◀] key, bringing you back to "Speaker Setup" menu. You can also press the [TEST] key to discontinue the "Test" mode.

SPEAKER DISTANCE

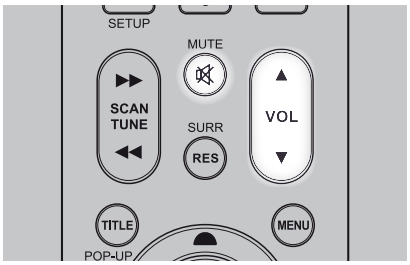


Your system's speaker distance settings are a subtle but important refinement of your setup. Informing the T 757 of the loudspeaker-to-listener dimensions of each speaker automatically imposes the correct delays, optimizing imaging, intelligibility and surround-sound ambience. Enter your dimensions with precision within about 1 foot (30 cm).

SETTING SPEAKER DISTANCE

While at "Speaker Distance" menu, use the [▲/▼] keys to individually set Front Left, Center, Front Right, Surround Right, Back Right, Back Left, Surround Left and Subwoofer to the distance measuring from your principal listening position to the front surface of their corresponding loudspeakers. Distance can be set up to 30 feet or 9.1 meters. Distance can be displayed as feet or meters selectable at the "Unit of Measure" item.

ADJUSTING THE VOLUME



In addition to the Volume knob, use the AVR 4's VOL [▲/▼] to adjust the "master volume" of the T 757 raising or lowering the channels altogether. A momentary keypress will change the master volume by 1 dB increments. If you hold down VOL [▲/▼], the master-volume change will "run-on" until the key is released.

Since recordings vary considerably in overall average level, there is no imperative to listen at any particular master-volume setting. A setting of -20dB may sound "as loud" from one CD or DVD as -10dB does from another.

The T 757 will power-up from Standby mode at whatever master volume setting was last used; however, if the prior setting was greater than -20dB, the T 757 will power up at -20dB. This prevents inadvertently beginning a session at excessive volume.

MUTING THE SOUND

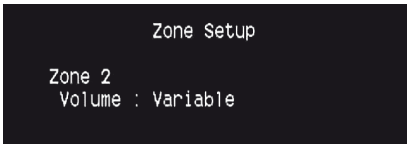
Use the AVR 4's [MUTE] key to silence all channels completely. Muting is always available regardless of the source or listening mode selections.

NOTES

- *Changing input or listening-mode selections does not release muting.*
- *Adjusting the volume level via the AVR 4 or the front panel volume knob will automatically release the mute function.*

ZONE SETUP

The Zone feature allows one to simultaneously experience in a different zone of the house selected sound from any of the enabled Sources as well as from Front Input, Media Player and Tuner.



VOLUME

Zone 2 have Fixed and Variable volume control. When set to "Variable" and while at the "Zone Controls" menu OSD, the Zone 2 Volume level can be adjusted using the AVR 4's [▲/▼] buttons.

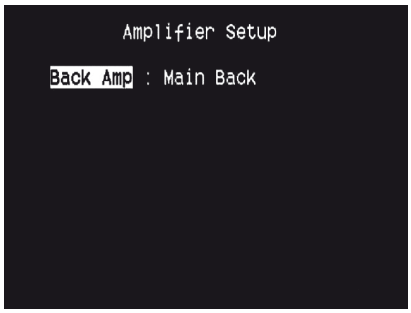
On the other hand, if Volume is set to "Fixed", the Zone 2 Volume is set to a preset dB level and thereafter the Zone's volume can be varied via the volume control of the separate amplifier it is fed into.

See discussion also about "Zone Controls" at the Main Menu.

OPERATION

USING THE T 757 – SETUP MENU

AMPLIFIER SETUP



If the surround back speakers are not used in the main zone, their surround back amplifier channels could be assigned for Main back, Main Front (Bi-Amp) and Zone 2 use.

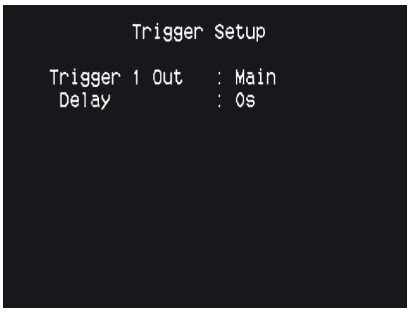
The Surround Back amplifier is configurable through the following settings

Main Back: Assign as surround back speakers.

Main Front (Bi-Amp): Provide a bi-amp mode for the Main Front speakers (Left and Right) speakers thus reproducing the Front Left and Front Right amplifier channel outputs.

Zone 2: Assign the surround back amplifier channels to supply Zone 2 speaker level outputs from the surround back speaker terminals.

TRIGGER SETUP



The T 757 features a configurable +12V TRIGGER OUT that can be used to activate a component or system it is fed into. It is used to turn on/off other compliant devices.

The T 757's +12V TRIGGER OUT is dependent on which mode it is associated with. There are three choices where the +12V TRIGGER OUT can be assigned and these are - Main, Zone 2 and Source Setup.

Main: +12V DC is available at +12V TRIGGER OUT when the T 757 is at powered state.

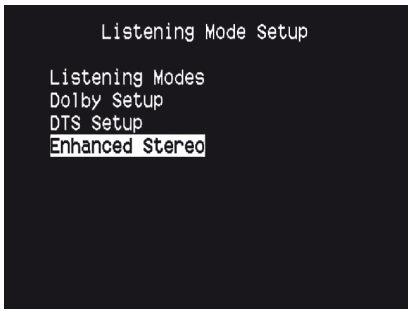
Zone 2: When the Zone 2 is at powered state, +12V DC is available at +12V TRIGGER OUT.

Source Setup: If Trigger Output is linked to "Source Setup", +12V DC is available at +12V TRIGGER OUT whenever the particularly assigned Source is selected.

DELAY

The availability of +12V DC at Trigger Out can be regulated. If it is desired that +12V DC is available without delay the moment Trigger Out is linked to its assigned setting, set Delay to 0s. Otherwise, one can select through a delay time of 1s to 15s.

LISTENING MODE SETUP



The T 757 has various listening mode options and is mostly configurable. These are provided to reproduce a variety of sound effects depending upon the content of the source to be played. Use a combination of [◖/◗], [◓/◒] or [ENTER] and keys to configure the following settings.

LISTENING MODES

The audio format as detected by the selected Source can be automatically configured and processed through the following options:

DOLBY

Dolby Digital is the multi-channel digital signal format developed in the Dolby laboratories. Discs bearing the Dolby Digital (double-D symbol) logo were recorded with up to 5.1 channels of digital signals, reproducing a much better sound quality, with dynamic and spatial sound sensations that are much better than in the previous Dolby Surround.

A Dolby Digital audio input can be configured relative to its format as follows

Stereo: If the detected audio is of Dolby stereo format, you can default it to one of the following settings - Pro Logic, PLIIx Movie, PLIIx Music or None.

Surround: If the detected audio is of Dolby Surround format, you can default it to one of the following settings - Surround EX, PLIIx Movie, PLIIx Music, Stereo Downmix or None.

None: If "None" is selected, the Dolby Digital signal will be defaulted to the "Stereo" or "Surround" settings set forth at the "PCM" option. See discussion below about "PCM".

DOLBY DIGITAL PLUS

Dolby Digital Plus is the next-generation audio technology for all high-definition programming and media. It combines the efficiency to meet future broadcast demands with the power and flexibility to realize the full audio potential expected in the upcoming high-definition era. Built on Dolby Digital, the multi-channel audio standard for DVD and HD broadcasts worldwide, Dolby Digital Plus was designed for the next-generation A/V receivers but remains fully compatible with all current A/V receivers.

Dolby Digital Plus delivers multi-channel audio programs of up to 7.1 channels and supports multiple programs in a single encoded bitstream with the maximum bit rate potential of up to 6 Mbps and the maximum bit rate performance of up to 3 Mbps on HD DVD and 1.7 Mbps on Blu-ray Disc. It outputs Dolby Digital bitstreams for playback on existing Dolby Digital systems. Dolby Digital Plus can accurately reproduce the sound originally intended by directors and producers.

It also features multi-channel sound with discrete channel output, interactive mixing and streaming capability in advanced systems. Supported by High-Definition Media Interface (HDMI), a single-cable digital connection is possible for high-definition audio and video.

DOLBY TrueHD

Dolby TrueHD is a lossless encoding technology developed for high-definition optical discs in the upcoming era. Dolby TrueHD delivers tantalizing sound that is bit-for-bit identical to the studio master, unlocking the true high-definition entertainment experience on high-definition optical discs in the next generation. When coupled with high-definition video, Dolby TrueHD offers an unprecedented home theater experience with stunning sound and high-definition picture.

It supports bit rates of up to 18 Mbps and records up to 8 full-range channels individually with 24-bit/96 kHz audio. It also features extensive metadata including dialogue normalization and dynamic range control. Supported by High-Definition Media Interface (HDMI), a single-cable digital connection is possible for high-definition audio and video. HD DVD and Blu-ray Disc standards currently limit their maximum number of audio channels to eight, whereas Dolby Digital Plus and Dolby TrueHD support more than eight audio channels. Note that the T 757 only supports 7.1 channel.

DOLBY DIGITAL EX

Using a Matrix decoder, this method creates the back channel (sometimes also called the "surround center") by means of signals on the left and right surround channels recorded in Dolby Digital 5.1, reproduction being provided in Surround 6.1. This method should be selected with sources bearing the "Dolby Digital (double-D symbol)-EX" symbol, recorded in Dolby Digital Surround EX.

With this additional channel you will experience improved dynamics and a better sensation of movement within the sound field. If media sources recorded in Dolby Digital EX are decoded with a Digital EX decoder, the format is detected automatically, and the Dolby Digital EX mode is selected. However, some media sources recorded in Dolby Digital EX can be detected as simple Dolby Digital media sources. In this case Dolby Digital EX should be selected manually.

NOTE

Please refer to the section "Listening Mode" at the Main Menu discussions for the description of Pro Logic, PLIIx Movie, PLIIx Music and Stereo Downmix modes.

DTS

The Digital Theater System Digital Surround (simply called DTS) is a multi-channel digital signal format that can process higher data rates than with Dolby Digital. Although both Dolby Digital and DTS are 5.1 channel media formats, discs bearing the "DTS" symbol are thought to provide better sound quality due to the lower audio compression required. It also offers a broader dynamic, producing magnificent sound quality.

A DTS audio input can be configured relative to its format as follows

Stereo: If the detected audio is of DTS format, you can default it to one of the following settings - NEO:6 Cinema, NEO:6 Music or None.

Surround: If the detected audio is of DTS Surround format, you can default it to one of the following settings - NEO:6 Cinema, NEO:6 Music, Stereo Downmix or None.

None: If "None" is selected, the DTS signal will be defaulted to the "Stereo" or "Surround" settings set forth at the "PCM" option. See discussion below about 'PCM'.

NOTE

Please refer to the section "Listening Mode" at the Main Menu discussions for the description of Stereo Downmix and DTS NEO:6 surround modes.

PCM

PCM (Pulse Code Modulation) is the digital representation of a standard audio signal converted with little or no compression. If "None" is selected for any of the Dolby or DTS settings, this "PCM" section will default the audio signal as follows

Stereo: The detected stereo audio format will be configured into one of the following options - Pro Logic, PLIIx Movie, PLIIx Music, NEO:6 Cinema, NEO:6 Music EARS, Enhanced Stereo or None.

Surround: The detected surround audio format will be configured into one of the following options - PLIIx Movie, PLIIx Music, NEO:6 Music, NEO:6 Cinema, Stereo Downmix or None.

ANALOG

If the audio input is an analog signal, the following are the surround modes the input can be defaulted - Pro Logic, PLIIx Movie, PLIIx Music, NEO: 6 Cinema, NEO: 6 Music, EARS, Enhanced Stereo, Analog Bypass and None.

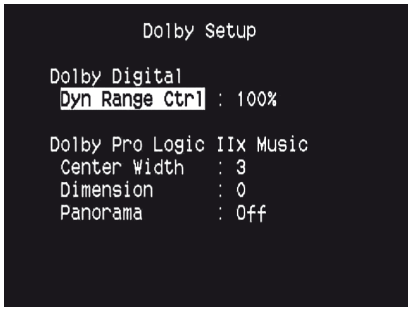
NOTE

All these Listening Modes for Dolby Digital, DTS, PCM and Analog can be directly changed by pressing the "Listening Mode" button on the front panel or through the "Listening Mode" option at the Main Menu window. The chosen audio format will be reflected back to the appropriate setting at the "Listening Mode Setup".

OPERATION

USING THE T 757 – SETUP MENU

DOLBY SETUP



Under this menu, the Dolby Digital's Dynamic Range Control can be adjusted as well as the settings for Dolby Digital Pro Logic IIx Music.

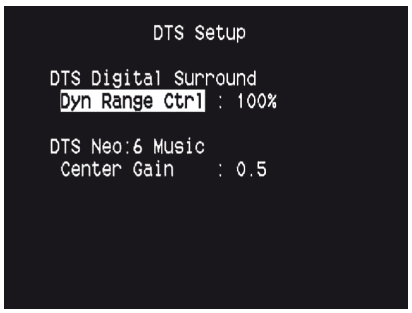
Dyn Range Ctrl: You can select the effective dynamic range (subjective range from soft to loud) for playback of Dolby Digital soundtracks. For fully cinematic effect, always select 100%, the default. Settings of 75%, 50%, and 25% progressively reduce dynamic range, making soft sounds comparatively louder while limiting the peak loudness of loud ones.

The 25% setting will yield the least dynamic range and is best for late-night sessions or other times when you wish to retain maximum dialog intelligibility while minimizing overall volume levels.

For Dolby TrueHD sources, set the Dynamic Range Control to "Auto".

Dolby Pro Logic IIx Music: Please refer to the same description of "PLIIx Music" under the "ADJUSTING LISTENING MODES" segment of the "OPERATION - USING THE T 757 - MAIN MENU".

DTS SETUP



Under this menu, the Dynamic Range Control of DTS Digital Surround can be adjusted as well as the settings for DTS Neo: 6 Music.

Dyn Range Ctrl: This is the same configurable Dynamic Range Control feature as described above at Dolby Setup, the only difference being the soundtrack is now in DTS format.
DTS Neo: 6 Music: Please refer to the same description of "NEO 6: Music" under the "ADJUSTING LISTENING MODES" segment of the "OPERATION - USING THE T 757 - MAIN MENU".

DTS SURROUND MODES

The following are further descriptions about the DTS surround modes.

DTS-HD MASTER AUDIO

DTS-HD Master Audio is a technology that delivers master audio sources recorded in a professional studio to listeners without any loss of data, preserving audio quality. DTS-HD Master Audio adopts variable data transfer rates, facilitating data transfer to the maximum rate of 24.5 Mbps in the Blu-ray disc format, 18.0 Mbps in the HD-DVD format, which by far exceeds that of a standard DVD. These high data transfer rates enable lossless transmission of 96 kHz/24-bit 7.1-channel audio sources without deteriorating the quality of the original sound. DTS-HD Master Audio is an irreplaceable technology that can reproduce sound faithfully as intended by the creator of music or movies.

DTS-ES EXTENDED SURROUND (DTS ES)

This is a new multi-channel digital format which greatly improves the 360 degrees spatial sensation of the Surround impression thanks to the greater space expansion of the surround signals, providing high compatibility with the conventional DTS format.

In addition to the 5.1 channels, the expanded DTS-ES Surround also offers the back surround (also sometimes called the "surround centre") in reproduction, providing a total of 6.1 channels. The expanded DTS-ES Surround includes two formats, with two different methods of surround signal recording, as follows:

DTS-ES DISCRETE 6.1

Since the signals of the 6.1 Surround channels (including the back channel) are completely independent, it is possible to achieve the sensation that the acoustic image is moving about freely among the background sounds, 360 degrees surrounding the listener.

Although maximum quality is achieved with sound tracks recorded using this system and reproduced using the DTS-ES decoder, when played with a conventional DTS decoder, the back surround channel is automatically downmixed in the surround right and surround left channels of the surround system, in such a way that none of the signal components are lost.

DTS–ES MATRIX 6.1

In this format, the additional signals of the back channel receive a matrix encoding and are inputted into the right and left surround channels. During reproduction they are decoded to the right, left and back surround channels.

Since this bit-stream format is 100% compatible with conventional DTS signals, the DTS-ES Matrix 6.1 format effect can also be achieved from sources with DTS-ES 5.1 signals.

Naturally, it is also possible to reproduce from a DTS 5.1 channel decoder, signals recorded in DTS-ES 6.1.

When a DTS-ES decoder processes a discrete DTS-ES 6.1 or in Matrix 6.1, these formats are automatically detected and the Optimum Surround mode is selected. However, some DTS-ES Matrix 6.1 sources may be detected as DTS. In this case the DTS-ES Matrix mode should be selected manually in order to reproduce them.

DTS NEO: 6 SURROUND

This mode applies the conventional 2-channel signals such as digital PCM or analog stereo signals to the high precision digital matrix decoder used for DTS-ES Matrix 6.1 to achieve 6.1-channel surround playback. DTS Neo: 6 surround includes two modes for selecting the optimum decoding of the signal sources:

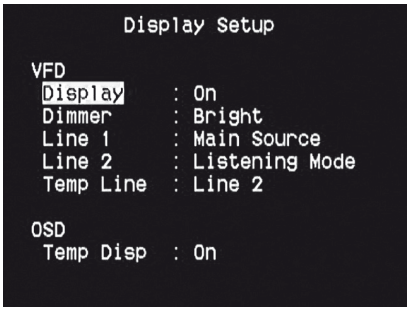
DTS NEO: 6 CINEMA: This method is ideal for the reproduction of movies. The decoding takes place by emphasizing the separation in order to achieve the same atmosphere with 2-channel, as with 6.1-channel sources.

DTS NEO: 6 MUSIC: Mainly recommended for music reproduction. The right and left front channels do not pass through the decoder and are reproduced directly so there is no loss in sound quality, and the effects of the right surround, left surround, central and back surround channels add a natural sensation of expansion of the sound field.

ENHANCED STEREO

Please refer to the same description of ENHANCED STEREO under the LISTENING MODES segment of the OPERATION - USING THE T 757 - MAIN MENU.

DISPLAY SETUP



The Vacuum Fluorescent Display (VFD) and On-Screen Display (OSD) can be shown in various ways by navigating through the parameters at the Display Setup menu. Use a combination of [◖/◗] or [ENTER] and [▲/▼] keys to step through the Display Setup menu items.

NOTE

The configurations set forth at "Display Setup" are carried over whenever it is enabled during A/V Presets setting. Please see also the section below about "AV Presets".

VACUUM FLUORESCENT DISPLAY (VFD)

Display: Select "On" to display all applicable data or characters at the VFD. Nothing will be shown at VFD if "Temp" is selected. At "Temp" setting however, whenever any of the front panel controls or their corresponding keys in the remote control is activated, the appropriate VFD characters will be shown temporarily and then fade away.

Dimmer: If it is desired to reduce the brightness of the VFD, set Dimmer to "Dim". Otherwise, select "Bright" to return to normal VFD brightness.

Line 1, Line 2: The VFD shows two main lines of data or characters. Line 2 is the line of data or characters located at the lower bottom of the VFD while directly above it is Line 1. For both lines, one can select which display could be shown by choosing through the following

Main Source: Shows the active Source.

Volume: Current Volume level is shown.

Listening Mode: Selected Listening Mode is shown.

Audio Src Format: Shows the active Source's detected audio format.

Audio Codec: Displays the detected audio stream format like Analog, PCM Surround, Dolby TrueHD, DTS-HD Master Audio and other formats.

Video Mode: Show the video resolution of the active input source. Details shown include the video resolution with frame rate. For a better understanding of these video details, consult with your NAD Audio Specialist or your distributor's technical department.

Zone 2 Source: The assigned Source for Zone 2 is shown.

Off: Select "Off" if it is desired not to show any data at the applicable Line.

Temp Line: Choose between Line 1 and Line 2 as the desired line where VFD will be temporarily shown if "Temp" is selected at "Display" option as described above.

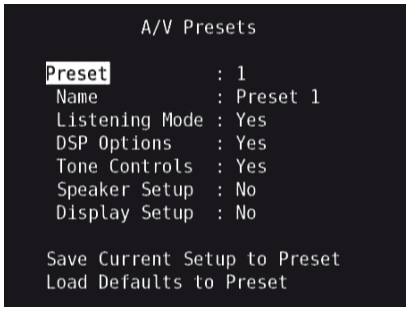
ON-SCREEN DISPLAY (OSD)

Temp Disp: This applies to the OSD that is temporarily shown at video out whenever any of the front panel controls or their corresponding keys in the remote control is activated. Set to "On" if it is desired to show the applicable OSD at the monitor/TV; otherwise, select "Off".

OPERATION

USING THE T 757 – SETUP MENU

A/V PRESETS



The T 757's simple but powerfully flexible system of "A/V Presets" allows you to customize virtually every aspect of your audio-video playback, and recall them with a single key-press. The parameters "Listening Mode", "DSP Options" and "Tone Controls" accessible via the "Main Menu" together with "Speaker Setup" and "Display Setup" configurable through "Setup Menu" are stored together as a single A/V Preset.

You might create one A/V Preset optimized for pop music and another for classical. One more A/V Preset can be set up to recall each family member's favorite setting or one for fully cinematic home-theater playback and yet another one for late-night movies, with each A/V Preset fine-tuned to a particular scenario or preference.

CREATING PRESETS

Creating an A/V Preset consists simply of storing a complete set of the parameters set forth in "Listening Mode", "DSP Options" and "Tone Controls" accessible via the "Main Menu" together with "Speaker Setup" and "Display Setup" configurable through "Setup Menu".

Scroll to "A/V Presets" using the [▲/▼] keys to save a collection of said parameter settings to a Preset. Select a Preset number and by pressing the [▲/▼] keys, you can selectively include in the particular A/V Preset any of the above-mentioned parameter settings by choosing "Yes". If you decide not to include in the particular A/V Preset a certain parameter setting, select "No".

Now in order to save the settings chosen for the particular A/V Preset number, scroll down to "Save Current Setup to Preset" and press the [▶] key. If you chose to load instead the default settings, scroll down to "Load Defaults to Preset" and press the [▶] key to restore the default settings.

In addition to the parameter settings, the A/V Preset label itself can be assigned a new name. This new Name will be shown in the VFD as well as on the OSD.

To rename the A/V Preset label, scroll to "Name" and press [▶] to go the first character. Then, press [▲/▼] to pick and select through the alphanumeric selections. Press [◀/▶] to move to the next character or back to the previous character and at the same time save the changes done on the current character.

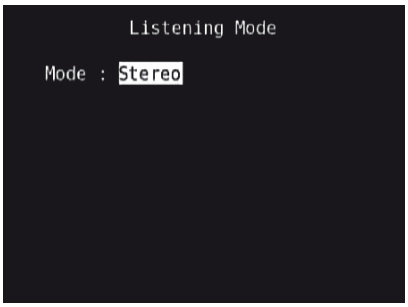
NOTE

The selected A/V Preset remains in force until you select a different A/V Preset.

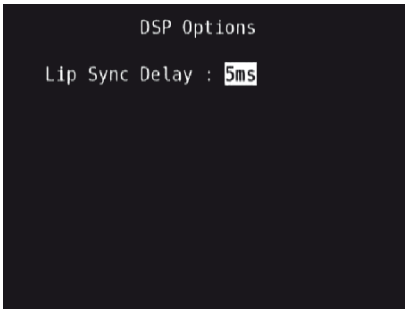
SAMPLE PROCEDURE FOR SETTING UP A/V PRESETS

1 Setup first your preferred settings for the following options (access them through their respective menu page).

Listening Mode: Stereo

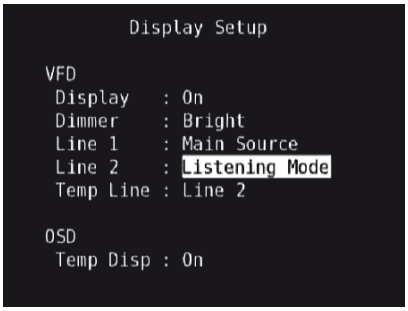


DSP Options: 5ms

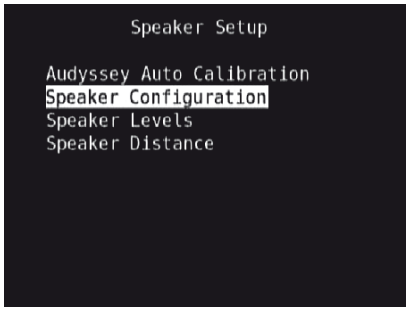


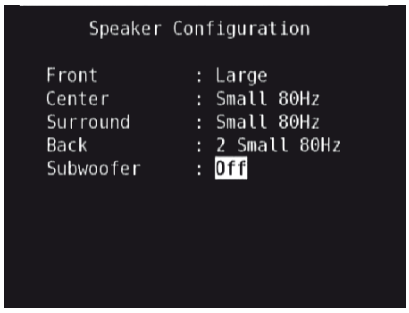
Tone Controls: Tone Defeat: On

Display Setup: Set "Line 2" to "Listening Mode"

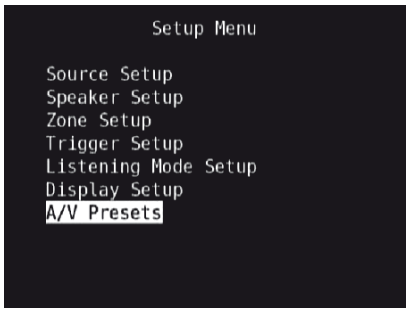


Speaker Setup: from the Speaker Setup menu, go to "Speaker Configuration" sub-menu and change "Subwoofer" from "On" to "Off": "Front" becomes "Large"

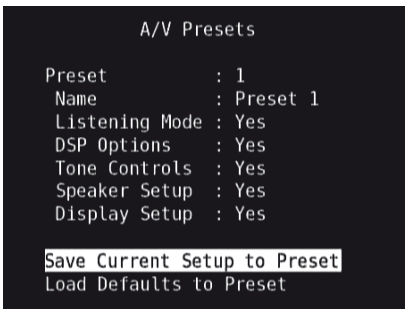




2 With the above settings, scroll to "A/V Presets" from the SETUP MENU page. Use [◗] to access "A/V Presets" menu.



3 At "A/V Presets" page, set "Preset: 1" to the following conditions - use [◓/◒] to select "Yes" or "No" and press [ENTER] to confirm selection and move on to the next setting.

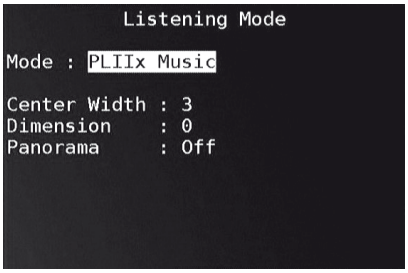


While at "Save Current Setup to Preset" menu line, use [◗] to save the above settings to Preset 1. Below OSD will be shown, affirming that the above settings are now saved to "Preset 1".

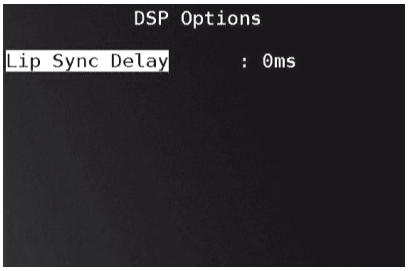
When you recall "Preset 1" using the remote control (for AVR 4, "A/V PSET" + "1"), the above preset values allocated at "Preset 1" (preset settings as shown in the OSD captures at Step 1) will be recalled and effected at the current source.

4 Now, repeat again Step 1 above but this time with the following settings

Listening Mode: PLIIx Music



DSP Options: 0ms

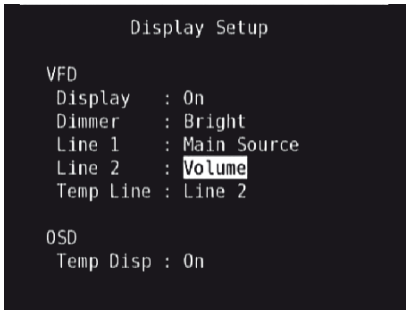


OPERATION

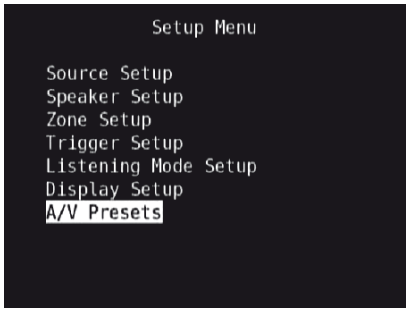
USING THE T 757 – SETUP MENU

Tone Controls: Tone Defeat: Off

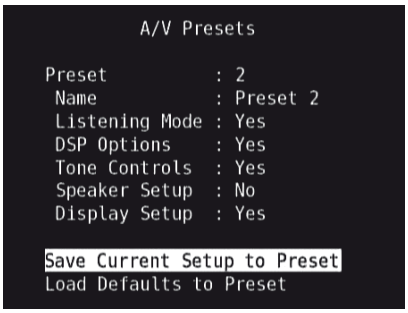
Display Setup: Set "Line 2" to "Volume"



5 With the above settings, scroll to "A/V Presets" from the SETUP MENU page. Use [◗] to access "A/V Presets" menu.



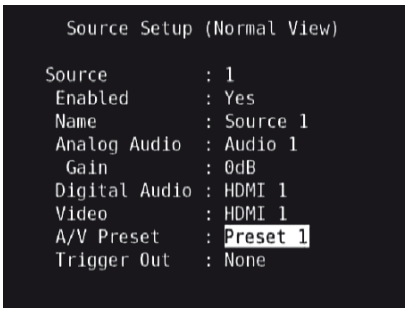
6 At "A/V Presets" page, set "Preset: 2" to the following conditions - use [◓/◒] to select "Yes" or "No" and press [ENTER] to confirm selection and move to the next setting.



While at "Save Current Setup to Preset" menu line, use [◗] to save the settings above to "Preset 2". When you recall "Preset 2" using the remote control (for AVR 4, "A/V PSET" + "2"), the above preset values allocated at "Preset 2" (preset settings as shown in the OSD captures at Step 4) will be recalled and effected at the current source.

Note that "Speaker Setup" is set to "No". At this condition, there will be no "Speaker Setup" values that will be effected at "Preset 2". The "Speaker Setup" settings that will be applied at "Preset 2" will be the last or current "Speaker Setup" settings which in this sample are the same "Speaker Setup" settings shown above in Step 1.

7 You can setup up to 5 A/V Presets. These same A/V Presets can also be associated/defaulted to each Source in the "Source Setup (Normal View)" window as below.


Source Setup (Normal View)
Source : 1
Enabled : Yes
Name : Source 1
Analog Audio : Audio 1
Gain : 0dB
Digital Audio : HDMI 1
Video : HDMI 1
A/V Preset : Preset 1
Trigger Out : None

In the above example, "Preset 1" settings are allocated for Source 1. Whenever Source 1 is accessed, the "Preset 1" settings will be applied to Source 1. You can still manually override the assigned A/V Preset allocation in a specific Source with another Preset setting/number by way of pressing the appropriate remote control buttons.

RECALLING PRESETS

You may recall an A/V Preset number at any time using the AVR 4 remote control. Press the AVR 4's A/V PSET key and then the numeric key 1-5 corresponding to the desired A/V Preset number. The newly recalled A/V Preset will then manifest or replace the previous A/V Preset (if any).

The T 757's internal AM/FM tuner offers very high quality sound from radio broadcasts. The reception and sound quality will always be dependent to a degree however on the type of antenna(s) used as well as proximity to the broadcast origin, geography and weather conditions.

ABOUT ANTENNAS

The supplied ribbon-wire FM antenna can be connected to the rear panel FM antenna input using the included "balun" adapter and should be fully extended to form a "T". This folded-dipole antenna will usually work best when oriented vertically, with the arms of its "T" fully outstretched and arranged perpendicular to the origin of the desired broadcast. There are no "rules" however, and experimenting freely with antenna placement and orientation may yield the clearest sound and lowest background noise.

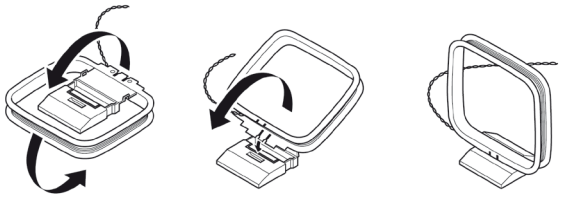
In areas of poor FM reception, an exterior FM antenna can improve performance dramatically. If radio listening is important to you, consider consulting an antenna installation professional to optimize your system.

The supplied AM "loop" antenna will usually provide adequate reception. However, an exterior AM antenna can be used to improve reception. Consult an antenna professional for more information.

IMPORTANT NOTE

When using the AVR 4 to carry out AM/FM commands, ensure that the DEVICE SELECTOR is set to "TUN".

ASSEMBLING THE LOOP ANTENNA



1 Rotate the outer frame of the antenna.
2 Insert the bottom edge of the outer frame into the groove on the stand.
3 Extend the antenna cord.

SELECTING A TUNER BAND

Press the [AM/FM/DB] button on the AVR 4 while at AMP or TUNER device selector page. Each subsequent press will toggle you through AM, FM, XM or DAB band. Stop (release button) at your desired tuner band.

TUNING AM/FM STATIONS

Upon selecting AM or FM band, use TUNE [◀◀/▶▶] on the AVR 4 to perform slow manual search; press and hold to automatically search.

The front panel [</>] or AVR 4's [◖/◗] buttons can also be used to tune for stations.

1 Press [◖/◗] momentarily to step up or down between AM or FM frequencies.
2 Press and hold [◖/◗] for more than 2 seconds to search up or down - the T 757's tuner will stop at the next sufficiently strong signal it encounters.
3 Pressing the [◖/◗] during the search process will stop the search.

DIRECT TUNING

If you know your desired station's frequency allocation, you can tune directly to the station.

1 Toggle [ENTER] button to switch between "Preset" and "Tune" mode (see the lower line of the VFD). Select "Tune" mode.
2 Using the numeric keys of the remote control, key-in the frequency allocation of the station. For example, to enter 104.50MHz, press "1", "0", "4", "5" and "0".

STORING PRESETS (AM/FM/XM/DAB)

The T 757 can store a mix of your 40 favorite AM, FM and XM (or DAB) radio stations for immediate recall.

1 To store a desired AM/FM station to a preset, first tune to the desired frequency (see above), then press AVR 4's [MEMORY] button. The VFD will show the next available Preset number - for example, "Preset 4 Free" in the lower line.
2 Press the [MEMORY] button again to store the desired frequency on the Preset number shown ("P04" is shown in the upper right corner of the VFD). Your desired frequency is now stored in the assigned preset number.

NOTE

If there is no more vacant Preset number, you can overwrite an existing Preset number by pressing the [▲/▼] buttons to select the Preset number you want to overwrite.

DIRECT RECALL OF A PRESET NUMBER (AM/FM/XM/DAB)

You can directly recall a desired Preset number.

1 Toggle [ENTER] button to switch between "Preset" and "Tune" mode (see the lower line of the VFD). Select "Preset" mode.
2 Using the numeric keys of the remote control, directly key-in your desired Preset number. For example, to enter Preset 5, press "5".

DELETING A STORED PRESET (AM/FM/XM/DAB)

You can empty a preset by deleting the stored information.

1 Select the preset number to be deleted. For example, "P03".
2 Press and hold [DELETE] button until the current Preset number shown in the VFD is extinguished ("P03" becomes "P--").

CHOOSING THE TUNER MODE

The AVR 4's [TUNER MODE] key is a dual-purpose control. Toggle [TUNER MODE] to switch between "FM Mute On" and "FM Mute Off". In the normal position, "FM Mute On", only the stations with a strong signal can be listened to, and the noise between stations is muted.

Pressing the [TUNER MODE] button again ("FM Mute Off") allows distant and potentially noisy stations to be received. Noise is reduced if the FM station signal level is less than the FM Stereo threshold (since mono FM is inherently less noise-prone) though at the sacrifice of the stereo effect.

NOTE

One can store the same channel in two preset locations - one with "FM Mute On" and another with "FM Mute Off".

OPERATION

LISTENING TO AM/FM RADIO

ABOUT USER NAMES

A Preset number can be assigned a twelve "User Name". The assigned "User Name" will be shown in the VFD and OSD whenever the associated Preset number is recalled.

ENTERING USER NAMES

A Preset number can be assigned the user name "NEWS" by the following procedure. The buttons mentioned below refer to AVR 4 buttons. The corresponding front panel buttons execute the same functions as described.

1. Recall the desired Preset number to be assigned a "User Name".
2. Then, press the [MEMORY] button once and within five (5) seconds, press the [INFO] button - the readout shows a blinking box.
3. Use the [◓/◒] buttons to select the first character of the name ("N" from the alphabetical list).
4. Press [◗] button to select the character and correspondingly move forward to the next position. (Press [◖] to go back to the previous character). Repeat this process for each character in sequence.
5. Press the [MEMORY] key again to store the User Name and exit the text-entry mode.

ABOUT RDS

The Radio Data System (RDS) permits sending small amounts of digital information using conventional FM radio broadcasts. The T 757 supports two RDS modes, program-service name (PS mode) and radio-text (RT mode). Not every FM station incorporates RDS in its broadcast signal. In most areas you will find from one to several RDS-enabled stations, but it is by no means impossible that your favorite stations will not be broadcasting RDS data.

VIEW RDS TEXT

When an RDS-enabled FM broadcast is tuned, the readout's character section will show its program-service name (PS) text.

Press the AVR 4's [INFO] button to toggle the readout between this and the station's radio-text (RT) readout, if any, which might scroll song- or artist-name, or any other text of the station's choosing.

The T 757 is "XM Ready" which means that with the addition of separately sold XM Mini-Tuner (Model: CNP-2000) and XM Mini-Tuner Home Dock, it has everything you need to listen to live XM. Everything else is built right in. Just subscribe to the XM service and your T 757 will be ready to receive XM content.

NOTES

- *When using the AVR 4 to carry out XM commands, ensure that the DEVICE SELECTOR is set to "TUN".*
- *Check with your NAD audio specialist for other versions of XM Mini-Tuner compatible with T 757.*

CONNECTING THE XM ANTENNA

1 Plug the end of the XM antenna into the corresponding XM antenna port on the rear panel of the T 757.
2 Press and hold AVR 4's [TUNER MODE] to check the current XM channel's signal strength as shown in the VFD and OSD. Press [TUNER MODE] again to exit signal strength check.

Refer also to your XM radio's guide on how to install the XM antenna for optimum signal reception.

TUNING XM CHANNELS

There are three ways to tune to the XM channel you wish to listen. Make sure to set your AVR 4's Device Selector to "TUN" prior to undertaking the following tuning options. The [◖/◗/◓/◒] buttons refer to the corresponding keys on the AVR 4. The same keys correspond to the front panel navigation buttons [⟨/⟩/∧/∨].

1 **Manual Tuning:** Toggle the [◖/◗] buttons to step up or down each available XM channel. Press and hold [◖/◗] for faster scanning of XM channels.
2 **Direct Channel Call:** Toggle [ENTER] button to switch between "Preset" and "Tune" mode (see the lower line of the VFD). Select "Tune" mode. Using the numeric keypads of the AVR 4, key-in directly the desired available channel number and it will be automatically tuned.
3 **Category:** Toggle [TUNER MODE] until "CAT" and a corresponding category is displayed on the VFD. "CAT" stands for the categories the channels are grouped into - i.e., Country, Rock, Jazz & Blues, etc. Toggle [◓/◒] buttons to step up or down the available categories.

   After selecting the desired category, use the same steps as that of XM Manual Tuning. Tuning will only be limited to within the selected category. Toggle the [◓/◒] buttons to choose another category and then tune again.

VIEW XM INFORMATION

Toggle [INFO] button to display the XM information of the selected channel such as the artist name, song title, category or any other text as supplied for the channel.

STORING PRESETS

The procedure for storing XM channels is the same method as stated in the section "STORING PRESETS (AM/FM/XM/DAB)" under the "LISTENING TO AM/FM RADIO".

For immediate recall of stored XM presets, toggle [TUNER MODE] button until "P__" (the two blank spaces corresponding to the preset number) is shown in VFD. Press PRESET [⏮/⏭] to step up or down the stored presets that can be a combination of AM, FM and XM channels.

OPERATION

LISTENING TO DAB RADIO

Until now, analogue radio signals such as FM or AM have been subject to numerous kinds of interference on their way from the transmitter to your radio. These problems were caused by mountains, high-rise buildings and weather conditions. With Digital Audio Broadcast (DAB), you can now receive CD-like quality radio programs without any annoying interference and signal distortion. DAB broadcasts use digital signals rather than traditional analogue transmissions, thus providing clear high quality reception. You get far more robust reception and virtually hiss or crackle free sound with DAB as long as you are within a good coverage area.

With DAB, the listener can scroll through a list of available stations - then instantly tune to the station of his choice. There is no need to remember channel frequencies. All broadcasts are selected by simply selecting the service name.

The T 757 makes it possible for you to enjoy listening to DAB broadcasts. The T 757 has a Digital Audio Broadcast (DAB) module socket on the rear panel for adding a separately sold and NAD-specified outboard DAB module - the NAD DAB Adaptor DB 1 or the DAB+ NAD DAB Adaptor DB 2. All the control software for this format is included; just plug-in the module and start enjoying the CD-like quality sound and expansive content selection available with DAB.

IMPORTANT NOTES

- *The T 757 is compatible only with the NAD DAB Adaptor module models DB 1 or DB 2.*
- *When using the AVR 4 remote control to carry out DAB commands, ensure that the DEVICE SELECTOR is set to "TUN".*
- *In the DAB discussions below, all control buttons mentioned are with reference to the AVR 4 remote control.*

CONNECTING THE DAB MODULE

Plug-in the other end of the DIN connector (supplied with your NAD DAB Adaptor DB) from the DAB module's output port into the corresponding DAB module input socket on the rear panel of the T 757. Select DAB mode on the T 757 by toggling AVR 4's [AM/FM/DB] button.

NOTES

- *The NAD DAB Adaptor (DB 1 or DB 2) is not supplied with your T 757.*
- *Refer to the installation diagram printed on the carton box of the NAD DAB Adaptor for guidance on how to connect the NAD DAB Adaptor to the T 757.*
- *If there is no NAD DAB Adaptor connected, the VFD will show "Check DAB Tuner".*

DAB OPERATION

With the separately sold NAD DAB Adaptor already connected to the T 757, you can now carry out the T 757 to receive DAB broadcasts.

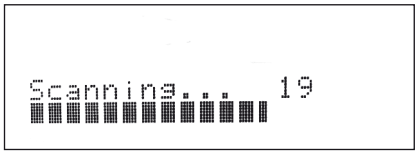
1 Toggle [AM/FM/DB] button until DAB mode. The VFD will show "No Service List" indicating that there are no scanned DAB broadcast services yet. This is the default mode of the NAD DAB Adaptor.

2 To tune to DAB broadcast services, press [TUNER MODE] and then toggle [◖/◗] to select either "Full Scan" or "Local Scan".

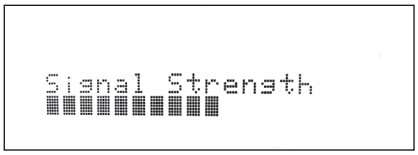
FULL SCAN will enable the scanning of the full range of digital frequencies (Band III and L-Band).

LOCAL SCAN performs local scanning of available DAB services in your area. Check with your dealer or visit www.WorldDAB.org to check the applicable digital transmission frequencies in your area.

3 Upon selecting either "Full Scan" or "Local Scan", automatic scanning will be performed. This sequence cannot be interrupted. During the sequence, the following message will be visible in the VFD.
The bars show the progress of the sequence. When scanning is completed, the last number shown on the right side of the VFD corresponds to the total number of DAB broadcast stations found. Then, the first station is tuned in (See "ALPHANUMERIC" section below to understand the order or arrangement of stations).



4 Press and hold [ENTER] button to check the strength of the incoming signal. The more segments visible in the lower display line, the stronger the signal. By changing the position of the antenna, you can increase the signal strength. You can also opt for an external antenna. Consult an antenna professional for more information.



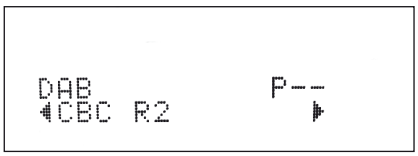
NOTE

"No Service List" will also be shown in the VFD when no stations are found after the scanning process. If this occurs, check the connection and position of the DAB antenna or call your local DAB broadcast providers for coverage information.

SERVICE LIST

Follow the steps below to select through the DAB service stations found.

1 At DAB mode, press [◖/◗] to step through the list of available stations as shown in the lower display line of the VFD.



2 Press [ENTER] to select the desired station.

DAB TUNER MODE

Aside from "Full Scan" and "Local Scan" as already described above, pressing the [TUNER MODE] button will also present you with other options namely - Station Order, DRC, Manual Scan, Prune List and Reset.

STATION ORDER

Use "Station Order" to sort the sequence of the listed stations. There are three orders - Alphanumeric, Ensemble and Active.

1 While listening to a DAB broadcast, press [TUNER MODE] button and [◖/◗] to select "Station Order". Press [ENTER].

2 Toggle [◖/◗] to select through "Alphanumeric", "Ensemble" and "Active".

3 Press [ENTER] to select desired station order.

ALPHANUMERIC

This is the default setting. Stations are arranged by numbers first and then alphabetically by letters.

ENSEMBLE

Digital radio is broadcast as groups of data called ensemble. Each ensemble contains a number of stations, transmitted at a set frequency. When "Ensemble" is selected as the mode of station order, the radio broadcasts are arranged in the order of their ensemble names.

NOTE

Ensemble is also interchangeably termed as "multiplex" by other broadcast providers.

ACTIVE

Active stations are listed at the top of the channel list. Those channels that are in list but have no service in the area will be displayed last in the channel list.

DRC

The level of compression of stations can be set to eliminate the differences in dynamic range or sound level between radio stations. Popular music would normally be more compressed than classical music, resulting in possible different audio levels when changing from one station to the other. Setting the DRC to "0" means no compression, "1/2" indicates medium compression and "1" shows maximum compression. No compression is recommended, especially for classical music.

1 While listening to a DAB broadcast, press [TUNER MODE] button and [◖/◗] to select "DRC". Press [ENTER].

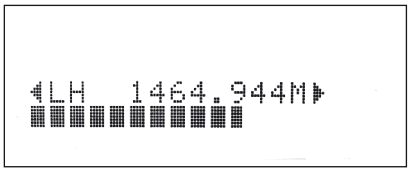
2 Toggle [◖/◗] to select through "DRC 0", "DRC 1/2" and "DRC 1".

3 Press [ENTER] to select desired DRC level.

MANUAL SCAN

This option allows you to directly tune to a desired channel and include it in the service list (if not yet available at the time). You can also use manual scan to assist you in positioning the DAB antenna for best reception of the desired channel.

1 While listening to a DAB broadcast, press [TUNER MODE] button and [◖/◗] to select "Manual Scan". Press [ENTER]. The current channel and frequency are shown in the upper line of the VFD. The "bars" at the lower line of the VFD indicate the signal strength level of the current channel.



2 To select other channels, toggle [◖/◗] to step through the channel list. Release [◖/◗] when you have arrived at your desired channel. Channel and frequency are shown in the upper line of the VFD. The "bars" at the lower line of the VFD indicate the signal strength level of the current channel. To improve the reception of the selected channel, adjust or reposition the DAB antenna until the best reception is indicated.

3 Press [ENTER] to tune the selected channel.

NOTE

The number of ensembles and stations that could be scanned will vary depending upon your location.

PRUNE LIST

There maybe situations wherein certain stations become inactive. The "Prune List" option enables the deletion of these inactive stations in the service list.

1 While listening to a DAB broadcast, press front panel's [TUNER MODE] button and [◖/◗] to select "Prune List".

2 Press [ENTER]. Any inactive stations are automatically deleted.

OPERATION

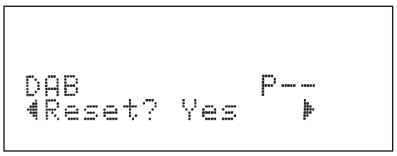
LISTENING TO DAB RADIO

RESET

The "Reset" option allows the connected (and separately sold) NAD DAB Adaptor to be reset to its factory default settings.

1 While listening to a DAB broadcast, press [TUNER MODE] button and [◖/◗] to select "Reset".

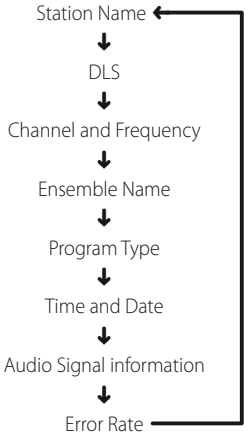
2 Press [ENTER]. "Reset? No" will be shown in the lower line of the VFD. Press [◖/◗] to switch to "Reset? Yes" option.



3 To select "Reset? No" or "Reset? Yes", press [ENTER] while at the desired option. Selecting "Reset? Yes" will cause the connected NAD DAB Adaptor module to be reset to its factory default settings.

INFORMATION SETTINGS

While listening to a DAB broadcast, the type of information displayed in the lower line of the VFD can be varied. Toggle front panel's [INFO] button to step through the following display options:



STATION NAME

The name or identification of the DAB broadcast station is shown. This is the default display.

DLS

Dynamic Label Segment (DLS) is the scrolling text supplied by the broadcasting station. It may contain information on music titles or details regarding the program or station.

CHANNEL AND FREQUENCY

The channel and frequency of the currently tuned DAB broadcast are displayed.

ENSEMBLE NAME

The name of the ensemble that is broadcasting the program is displayed.

PROGRAM TYPE

This is a description of the type of broadcast supplied by the station, such as Pop, Rock, Drama and the likes.

TIME AND DATE

The current time and date as supplied by the DAB station are displayed.

AUDIO SIGNAL INFORMATION

Displays the bit rate and audio type (stereo, mono or joint stereo) as transmitted by the DAB broadcast provider. These are set by the broadcaster to suit the type and quality of material being transmitted.

ERROR RATE

This displays the digital error rate (0 to 99) of the currently tuned channel - the lower the figure, the better the quality of the received broadcast.

The T 757 is equipped with a data port in the rear panel where an optional "NAD IPD Dock for iPod" (NAD IPD) can be plugged in. With the NAD IPD linking the T 757 with your own iPod player, you can enjoy listening to your favorite tracks and playlists as well as view applicable still image and video playback.

You can control your iPod player using the assigned buttons in the T 757 front panel. And with the corresponding AVR 4 remote control function keys, you can select the materials stored in your iPod for playback as well as access many of its functions even from across the room. The optional NAD IPD also charges your iPod player while it is connected to the T 757.

NOTES

- *"NAD IPD Dock for iPod" (NAD IPD) currently has two versions - the NAD IPD 1 and NAD IPD 2. These two NAD IPD models and later variants are compatible with the T 757.*
- *NAD IPD and iPod player are not supplied with your T 757.*
- *iPod player functions, features and playback capabilities accessible through T 757 may vary depending on your iPod player model.*
- *When using the AVR 4 to control the iPod functions, make sure that the Device Selector is set to "MP."*

CONNECTING THE OPTIONAL NAD IPD AND iPod PLAYER TO THE T 757

Make sure that all the devices are unplugged before making the connections.

1. Connect the NAD IPD's DATA PORT to the corresponding "MP DOCK" data port of the T 757.
2. Connect also the NAD IPD's S-Video out and audio out to the T 757 AUDIO 3/S-VIDEO 1 input (the default iPod source allocation in the T 757).
3. Dock your iPod player into the NAD IPD.

NAVIGATING THE IPOD PLAYER'S FUNCTIONS AND FEATURES

After linking together your iPod player, NAD IPD and the T 757, you can now plug them IN to their applicable power sources.

1. With your T 757, iPod player and NAD IPD all at power ON state, select SOURCE 5 (iPod) of your T 757. Your iPod player will show in its display the NAD logo and below it "OK to disconnect." On the other hand, the T 757 VFD will show in the upper line "iPod Menu" and the lower line "Playlists". The lower line will vary depending on the current menu selected. At the same time, the T 757 OSD will display the whole iPod Menu selections like Playlists, Artists, Albums, Songs, Podcasts, Genres, Composers and Audiobooks.
2. Navigate through the iPod menu selections using a combination of the [◖/◗/▲/▼] buttons.

NOTES

- *The iPod player's click wheel and controls will not operate when it is properly connected to the T 757 via the NAD docking station.*
- *To exit from the iPod Menu at Source 5 (iPod), press [◖] bringing you to "Menu Select" OSD. Follow the instructions as shown.*
- *Source 5 is defaulted to iPod. For Source 5 (iPod) to be changed and allocated for other inputs, go to "iPod Setup" menu under the "Source Setup" menu. At "iPod Setup" menu, set "Enabled" to "No" – you can now assign Source 5 with another input or setting as desired.*

CONTROL FEATURES AND SETTINGS

The following control functions and settings are selectable or enabled using the front panel and AVR 4 remote control buttons. Since the AVR 4 will be the primary controller in most cases, we will focus on remote-controlled operations.

Note that other NAD IPD models, like the NAD IPD 2, have their own remote controls. The controls below also apply to the corresponding buttons of the remote controls of such applicable NAD IPD models.

ENTER

While at iPod Menu OSD, press [ENTER] to go to "iPod Settings" and setup the following options:

Shuffle: Select "Shuffle" to enable random playback of either "Songs" or "Albums" lists. To turn off shuffle mode, select "Off".
Repeat: Select "One" for repeated playback of the current song. Select "All" for repeated playback of your entire list under "Songs" selection.
Audiobook Speed: The playback speed of your audiobook can be varied according to your preference. During audiobook playback, adjust the reading speed to "Normal", "Fast" or "Slow".

DISP

- During playback, toggle [DISP] key of AVR 4 to show in the T 757 VFD upper line the Song title, Artist Name and Album title.
- If there is no information available, the display will show "No Song", "No Artist" or "No Album" as applicable. Aside from this information, the lower line will display the current title's song number allocation and time elapsed.

▲/▼

- During playback mode, press [▲] to skip forward to the next song or [▼] to skip back to the previous song.
- For quicker scrolling up or down the list, press and hold [▲/▼].
- While at menu options or selection lists, toggle [▲/▼] to go up or down the options or lists.

▲/▼, ⏮/⏭

- Press AVR 4's [⏮/⏭] to scroll up and down the Songs list one page or at least 8 titles at a time.
- Press and hold [▲/▼] to quickly scroll through the song titles.
- During fast scrolling, [⏮/⏭], the first letter of the song is displayed on the bottom right corner of the OSD as the title changes. This is applicable only when there are more than 4000 song titles.

[⏸] (PAUSE)/ [▶] (PLAY)

- Press [⏸] (PAUSE) during playback to stop playback temporarily.
- Resume play by pressing [⏸] (PAUSE) again or [▶] (PLAY).

⏮/⏭

During playback or PAUSE mode, press [⏮/⏭] once for fast forward or backward scanning of current song.

OPERATION

LISTENING TO YOUR iPod PLAYER

NAD IPD 2

The NAD IPD 2 has its own remote control - the DR 1. When using the DR 1 to command your iPod player docked in the NAD IPD 2, you have to refer to your iPod player's own display screen to make full use of its feature; there is no OSD at this condition. However, any time you press AVR 4's [◗] button or [❯] on the front panel, the "Menu Select" OSD comes up. If you select "iPod Menu" at this "Menu Select" option, the NAD IPD 2 gets manually connected. The control of the NAD IPD 2 will then again be done through the T 757 using the applicable front panel control buttons or AVR 4 buttons while referring to the OSD; the NAD IPD 2 will not respond to any DR 1 commands at this stage.

IMPORTANT NOTES

- *For you to control the NAD IPD 2 using the DR 1, you have to go to "iPod Setup" menu (please refer to the item about "iPod Setup" under the "USING THE T 757 - SETUP MENU" segment of OPERATION section) and then set "Auto Connect" to "No". With this setting, you can then use the DR 1 to control your iPod player docked in the NAD IPD 2.*
- *Note that if you set "Auto Connect" to "No" while at Source 5 (iPod), you have to change source and then return to Source 5 (iPod) for the changed setting to take effect.*

REGAIN CONTROL OF NAD IPD 2 USING DR 1 REMOTE CONTROL

In order to switch back control of the NAD IPD 2 from the T 757/AVR 4 to the DR 1 remote control, follow these steps.

1. Exit from the iPod Menu by pressing repeatedly [◖] until it brings you to "Menu Select" OSD.
2. Highlight "iPod Menu" and press [◗] to advance to "iPod Menu".
3. At "iPod Menu", press [◗] to close iPod menu. DR 1 remote control regains control of the NAD IPD 2.

In addition to the above commands common to the DR 1, below are the descriptions of the other DR 1 control buttons.

LIGHT

Press [LIGHT] to turn ON the backlight of your iPod player if it is at idle mode.

MENU

Press [MENU] to return to previous option or menu selection

ENTER

Press [ENTER] to select an option or start playback.

⮌ (REPEAT)

Toggle to initiate repeat mode as follows - repeat one song, repeat all songs or cancel repeat mode

⤮ (RANDOM)

Toggle to initiate playback in random order. There are three random modes - Shuffle Song, Shuffle Album or Shuffle Off.

TO VIEW VIDEOS OR PHOTOS LOADED IN YOUR IPOD

Videos or photos uploaded in your iPod can be viewed directly via the T 757. The following are the steps

1. Make sure that the "TV Out" setting of your iPod's Video Settings menu is at "On" mode and appropriate "TV Signal" is chosen.
2. Video or photo file selections and playback procedures are managed directly from your iPod player and not through the T 757. You must exit completely from the T 757's Setup Menu or Menu Select OSD for you to be able to navigate through your iPod player's video or photo menu options. A more direct way is by going to the "iPod Setup" menu and set "Enabled" to "No".
3. With the NAD IPD's S-VIDEO OUT and AUDIO OUT ports connected to the T 757's AUDIO 3/S-VIDEO 1 input or to any other assignable input, you can now directly enjoy via T 757 your video or photo file selections as uploaded in your iPod. Make sure that you select the correct "Source Number" of the T 757. Note that if "Enabled" from "iPod Setup" is set to "No", ensure that Source 5 is enabled and analog audio and video settings are assigned to "A3" and "S1" respectively.

NOTE

For other navigation functions, please refer to your iPod player's owner's manual. Depending on the iPod player model, some other functions maybe controlled using the applicable T 757 navigation controls.

iPod is a trademark of Apple, Inc., registered in the U.S. and other countries.

CONDITION	POSSIBLE CAUSES	POSSIBLE SOLUTIONS
No sound from all channels.	• AC power unplugged.	• Check AC cable connection and outlet.
	• Power not switched on.	
	• Outlet has no power.	
	• Mute function is activated.	• Toggle [MUTE] button to deactivate Mute function.
No sound from some channels.	• Faulty/missing cables.	• Check cables.
	• "Speaker Configuration" channel (s) set to "OFF".	• Check "Speaker Configuration" menu.
No sound from surround channels.	• No surround listening mode is engaged.	• Select appropriate listening mode.
	• Surround channels set to "OFF" on "Speaker Configuration" menu.	• Correct "Speaker Configuration" or "Speaker Levels" settings.
	• Surround channels level set too low on "Speaker Levels" menu.	
No sound from Subwoofer.	• Subwoofer is off, not powered or improperly connected.	• Power up subwoofer, check subwoofer's AC outlet or check connections.
	• Subwoofer set to "OFF" on "Speaker Configuration" menu.	• Correct "Speaker Configuration" or "Speaker Levels" settings.
	• Subwoofer level set too low on "'Speaker Levels" menu.	
No sound from Center channel.	• Source is a 2/0 (etc.). Dolby Digital or DTS recording without center channel.	• Play a known 5.1-channel recording or select Dolby Pro Logic IIx Music mode.
	• Center set to "OFF" on "Speaker Configuration" menu.	• Correct "Speaker Configuration" or "Speaker Levels" settings.
	• Center level set too low on "Speaker Levels" menu.	
No Dolby Digital/DTS.	• Source's digital output is not connected to a T 757 digital input.	• Check connections.
	• Source component not configured for multichannel digital output.	• Check source component setup.
T 757 does not respond to remote control commands.	• Batteries are flat or incorrectly inserted.	• Check batteries.
	• Infrared receiver (IR) window of T 757 or IR transmitter of the remote control is obstructed.	• Check IR windows and ensure clear line-of-sight from remote to T 757.
	• T 757 front panel is in very bright sunlight or ambient light.	• Reduce sunlight/room lighting.
No RDS information.	• Station signal too weak.	• Check station tuning. Adjust or replace antenna.
	• Station not transmitting RDS data.	• Tune to an RDS station that supports program-service name (PS mode) and radio-text mode (RT).
Display shows "No Service List".	• DAB antenna not connected properly.	• Check the connection and position of DAB antenna.
	• No DAB coverage in the area.	• Call your local DAB broadcast providers for coverage information.

REFERENCE

SPECIFICATIONS

AMPLIFIER SECTION

Power output Stereo Mode	110W (8Ω within rated distortion)
IHF dynamic power; 8 Ω	137W
IHF dynamic power; 4 Ω	243W
Power output Surround Mode	7 x 60W
Total harmonic distortion at rated power	<0.08%
IM distortion at rated power	<0.08%
Damping factor, 8 Ω	>60
Input sensitivity and impedance	750mV/50KΩ

TUNER SECTION

AM SECTION

Tuning range	530 kHz -1710 kHz (120V version, 10 kHz steps)
	531 kHz -1602 kHz (230V version, 9 kHz steps)
Usable sensitivity	30 dBu
S/N ratio	38 dB
Total Harmonic Distortion	<3 %
Loop sensitivity 20dB S/N	66 dBu

FM SECTION

Tuning range	87.50 MHz -108.50 MHz
Usable sensitivity, MONO	<15 dBu
S/N Ratio MONO	60 dB
S/N Ratio STEREO	55 dB
Total Harmonic Distortion, MONO	0.25 %
Total Harmonic Distortion, STEREO	0.5 %
Channel Separation	40 dB
RDS decode sensitivity	28 dBu

POWER CONSUMPTION

Idle power	53 W
Standby power	<0.5 W

PHYSICAL SPECIFICATIONS

Unit Dimensions (W x H x D)	435 x 172 x 397 mm (Gross)
	$17\ ^{1}/_{8}$ x $6\ ^{13}/_{16}$ x $12\ ^{13}/_{16}$ inches
Net Weight	15.4 kg (33.9 lbs)
Shipping Weight	18.0 kg (39.6 lbs)

* - Gross dimensions include feet, volume knob and extended speaker terminals.

Specifications are subject to change without notice. For updated documentation and features, please log onto www.NADelectronics.com for the latest information about T 757.

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